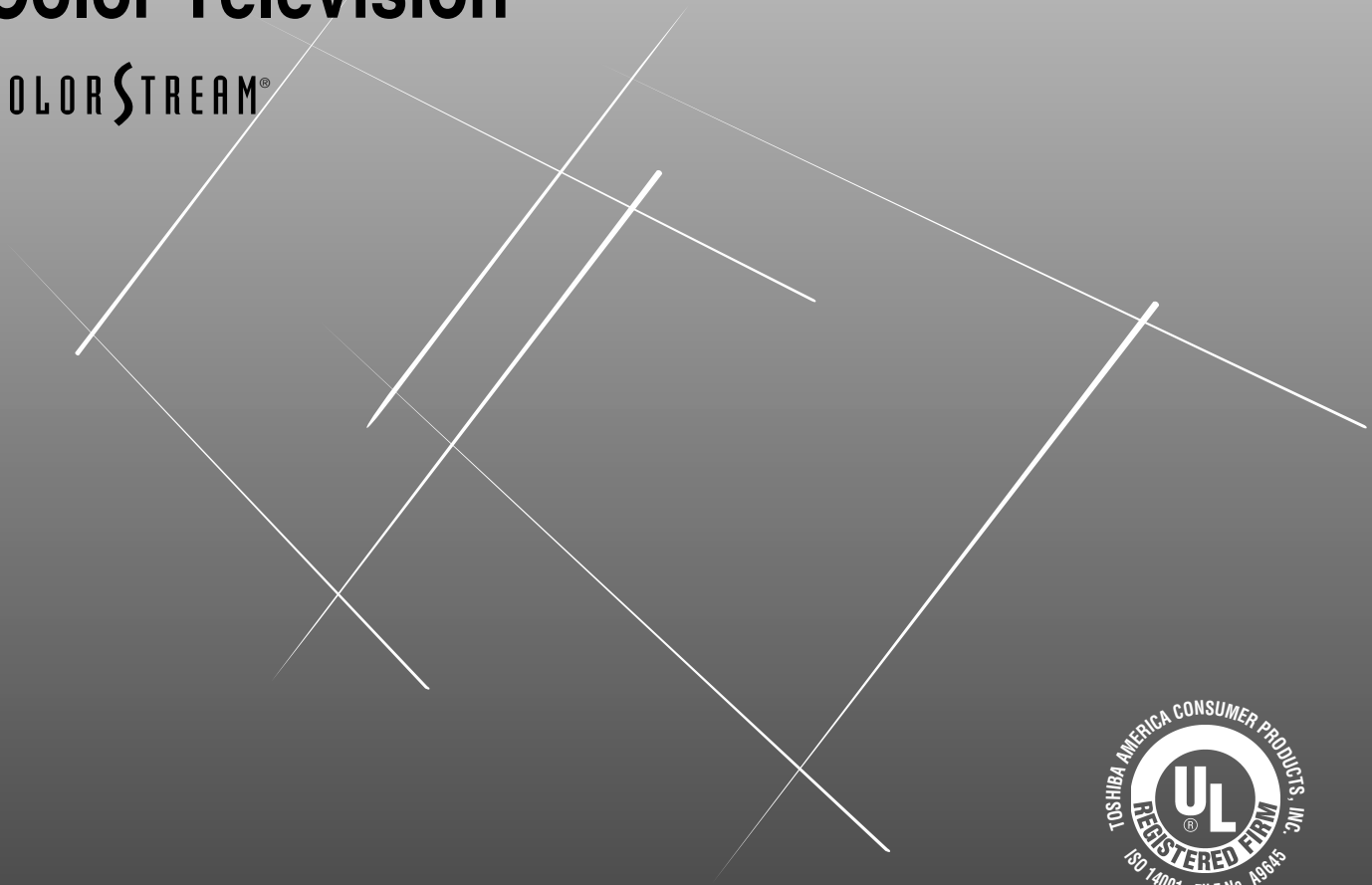
TOSHIBA

# OWNER'S MANUAL

## Color Television

COLOR STREAM®



TOSHIBA AMERICA CONSUMER PRODUCTS, INC. UL® REGISTERED FIRM ISO 14001 FILE No. A9645

**Owner's Record**

The model number and serial number are on the back of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV.

Model number:

Serial number:

# 32AFX62
# 36AFX62

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23565703

## Dear Customer,

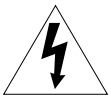
Thank you for purchasing this Toshiba TV. This manual will help you use the many exciting features of your new TV. **Before operating the TV, please read this manual completely**, and keep it nearby for future reference.

## Safety Precautions

**WARNING**

**TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

**WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



**The lightning symbol in the triangle tells you that the voltage inside this product may be strong enough to cause an electric shock. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.**

**The exclamation mark in the triangle tells you that important operating and maintenance instructions follow this symbol.**

## NOTE TO CATV INSTALLERS IN THE USA

This is a reminder to call the CATV system installer's attention to Article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. For additional antenna grounding information, see items 24 and 25 on page 4.

## NOTICE OF POSSIBLE TV STAND INSTABILITY

**DANGER: RISK OF SERIOUS PERSONAL INJURY OR DEATH!** Use this TV with the TOSHIBA TV stand recommended in the "Specifications" section only. Use with other stands may result in instability, causing possible injury or death.

## NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE

If a fixed (non-moving) pattern remains on the TV screen for long periods of time, the image can become permanently engrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY.** See item 32 on page 4.

05/02.2

# Child Safety

## It Makes A Difference Where Your TV Stands

**Congratulations on your purchase! As you enjoy your new TV, keep these safety tips in mind:**

## The Issue

- ❑ If you are like most Americans, you have a TV in your home. Many homes, in fact, have more than one TV.
- ❑ The home theater entertainment experience is a growing trend, and larger TVs are popular purchases; however, they are not always supported on the proper TV stands.
- ❑ Sometimes TVs are improperly secured or inappropriately situated on dressers, bookcases, shelves, desks, audio speakers, chests, or carts. As a result, TVs may fall over, causing unnecessary injury.

## Toshiba Cares!

- ❑ The consumer electronics industry is committed to making home entertainment enjoyable and safe.
- ❑ The Consumer Electronics Association formed the Home Entertainment Support Safety Committee, comprised of TV and consumer electronics furniture manufacturers, to advocate children's safety and educate consumers and their families about television safety.

## Tune Into Safety

- ❑ One size does NOT fit all! Use appropriate furniture large enough to support the weight of your TV (and other electronic components).
- ❑ Use appropriate angle braces, straps, and anchors to secure your furniture to the wall (but never screw anything directly into the TV).
- ❑ Carefully read and understand the other enclosed instructions for proper use of this product.
- ❑ Do not allow children to climb on or play with furniture and TVs.
- ❑ Avoid placing any item on top of your TV (such as a VCR, remote control, or toy) that a curious child may reach for.
- ❑ Remember that children can become excited while watching a program and can potentially push or pull a TV over.
- ❑ Share our safety message about this hidden hazard of the home with your family and friends. Thank you!

CEA Consumer Electronics Association
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Tel. 703-907-7600 Fax 703-907-7690
www.CE.org

*CEA is the Sponsor, Producer and Manager of the International CES®*

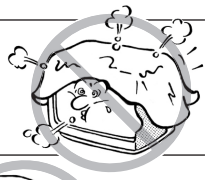
# Important Safety Instructions

1) **Read these instructions.**
2) **Keep these instructions.**
3) **Heed all warnings.**
4) **Follow all instructions.**

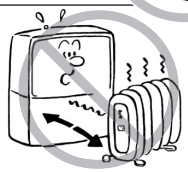
5) **Do not use this apparatus near water.**

6) **Clean only with a dry cloth.**

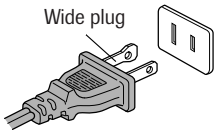
7) **Do not block any ventilation openings.** Install in accordance with the manufacturer's instructions.



8) **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

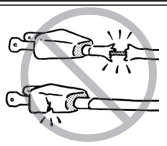


9) **Do not defeat the safety purpose of the polarized or grounding type plug.** A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.




**CAUTION:** To reduce the risk of electric shock, do not use the polarized plug with an extension cord, receptacle, or other outlet unless the blades can be inserted completely to prevent blade exposure.

10) **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits the apparatus.

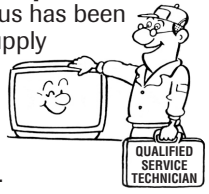


11) **Only use attachments/accessories specified by the manufacturer.**

12) **Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.** When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) **Unplug this apparatus during lightning storms or when unused for long periods of time.**

14) **Refer all servicing to qualified service personnel.** Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.




05/02.2

# Installation, Care, and Service

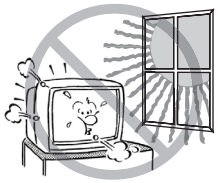
## Installation

Follow these recommendations and precautions and heed all warnings when installing your TV:

15) Never modify this equipment. Changes or modifications may void: a) the warranty, and b) the user's authority to operate this equipment under the rules of the Federal Communications Commission.

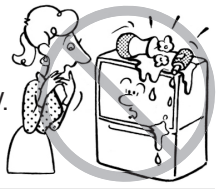
16) **DANGER: RISK OF SERIOUS PERSONAL INJURY, DEATH, OR EQUIPMENT DAMAGE!** Never place the TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.

17) Never place or store the TV in direct sunlight; hot, humid areas; areas subject to excessive dust or vibration; or locations with temperatures at or below 41°F (5°C).



18) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit.

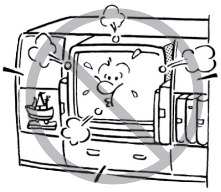
19) Never place items such as vases, aquariums, or candles on top of the TV.



20) Never block or cover the slots or openings in the TV cabinet back, bottom, and sides. Never place the TV:

- on a bed, sofa, rug, or similar surface;
- too close to drapes, curtains, or walls; or
- in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.

The slots and openings are provided to protect the TV from overheating and to help maintain reliable operation of the TV.

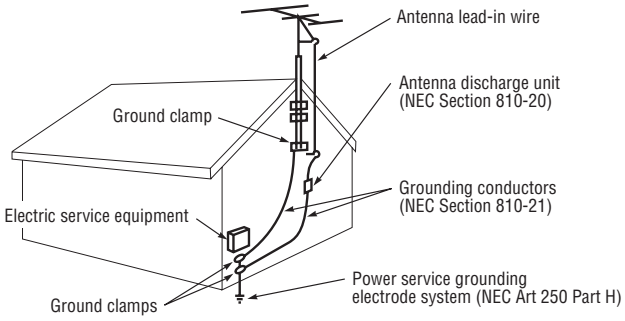


21) Never allow anything to rest on or roll over the power cord, and never place the TV where the power cord is subject to wear or abuse.

22) Never overload wall outlets and extension cords.

23) Always operate this equipment from a 120 VAC, 60 Hz power source only.

24) Always make sure the antenna system is properly grounded to provide adequate protection against voltage surges and built-up static charges (see Section 810 of the National Electric Code).


Antenna lead-in wire
Antenna discharge unit (NEC Section 810-20)
Ground clamp
Grounding conductors (NEC Section 810-21)
Electric service equipment
Power service grounding electrode system (NEC Art 250 Part H)
Ground clamps

25) **DANGER: RISK OF SERIOUS PERSONAL INJURY OR DEATH!**

• Use extreme care to make sure you are never in a position where your body (or any item you are in contact with, such as a ladder or screwdriver) can accidentally touch overhead power lines. Never locate the antenna near overhead power lines or other electrical circuits.

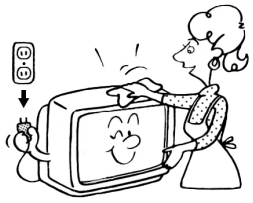
• Never attempt to install any of the following during lightning activity:
a) an antenna system; or b) cables, wires, or any home theater component connected to an antenna or phone system.

## Care

For better performance and safer operation of your TOSHIBA TV, follow these recommendations and precautions:

26) Always sit approximately 10–25 feet away from the TV and as directly in front of it as possible. The picture can appear dull if you sit too far to the left or right of the TV, or if sunlight or room lights reflect on the screen. Turn the TV off to check for reflections on the screen, and then remove the source of reflections while viewing the TV.

27) Always unplug the TV before cleaning. Never use liquid or aerosol cleaners.

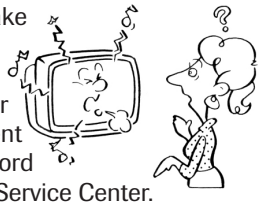


28) **WARNING: RISK OF ELECTRIC SHOCK!** Never spill liquids or push objects of any kind into the TV cabinet slots.

29) [*This item applies to projection TVs only.*] If the air temperature rises suddenly (for example, when the TV is first delivered), condensation may form on the lenses. This can make the picture appear distorted or the color appear faded. If this happens, turn off the TV for 6 to 7 hours to allow the condensation to evaporate.

30) For added protection of your TV from lightning and power surges, always unplug the power cord and disconnect the antenna from the TV if you leave the TV unattended or unused for long periods of time.

31) During normal use, the TV may make occasional snapping or popping sounds. This is normal, especially when the unit is being turned on or off. If these sounds become frequent or continuous, unplug the power cord and contact a Toshiba Authorized Service Center.

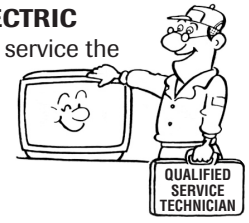


32) **Possible Adverse Effects on TV Picture Tube:** If a fixed (non-moving) pattern remains on the TV screen for long periods of time, the image can become permanently engrained in the picture tube and cause subtle but permanent ghost images. **This type of damage is NOT COVERED BY YOUR WARRANTY**. Never leave your TV on for long periods of time while it is displaying the following formats or images:

- **Fixed Images**, such as PIP/POP windows, stock tickers, video game patterns, TV station logos, and websites.
- **Special Formats** that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (gray bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (gray bars on left and right sides of screen).

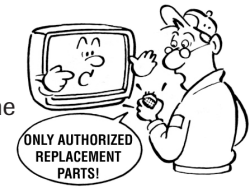
## Service

33) **WARNING: RISK OF ELECTRIC SHOCK!** Never attempt to service the TV yourself. Opening and removing the covers may expose you to dangerous voltage or other hazards. Refer all servicing to a Toshiba Authorized Service Center.




34) If you have the TV serviced:

- Ask the service technician to use only replacement parts specified by the manufacturer.
- Upon completion of service, ask the service technician to perform routine safety checks to determine that the TV is in safe operating condition.




35) When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV. Improper disposal may result in a picture tube implosion and possible personal injury.

**Important Safety Information ..... 2–4**
**Introduction ..... 6**
Welcome to Toshiba ..... 6
Exploring your new TV ..... 6
**Connecting your TV ..... 7**
Note regarding picture quality ..... 7
Connecting a VCR ..... 7
Connecting a cable converter box ..... 8
Connecting a cable converter box and VCR ..... 8
Connecting a DVD player or satellite receiver and a VCR ..... 9
Connecting a DVD player with ColorStream® (component video) and a VCR ..... 9
Connecting two VCRs ..... 10
Connecting a camcorder ..... 11
Connecting an audio system ..... 11
Connecting an A/V receiver ..... 12
**Using the remote control ..... 13**
Preparing the remote control for use ..... 13
Installing the remote control batteries ..... 13
Remote Control functional key chart ..... 14
Programming the remote control for use with your audio/video devices ..... 16
Device code setup ..... 16
Searching and sampling the code of a device (8500) .. 16
Using the Volume Lock feature (8000) ..... 17
Operational feature Reset (8900) ..... 17
Device code table ..... 18
Learning about the remote control ..... 20
**Setting up your TV ..... 21**
Learning about the menu system ..... 21
Changing the on-screen display language ..... 22
Selecting the antenna input ..... 22
Using the TV/ VIDEO button to select the antenna input ..... 22
Adding channels to the TV's memory ..... 23
Programming channels automatically ..... 23
Adding and erasing channels manually ..... 24
Adjusting the tilt correction feature ..... 24
Changing channels ..... 24
**Using the TV's features ..... 25**
Adjusting the channel settings ..... 25
Switching between two channels ..... 25
Programming your favorite channels ..... 25
Labeling channels ..... 26
Watching picture-in-picture (PIP) ..... 28
Switching the main and small pictures ..... 29
Changing the position of the small picture ..... 29
Freezing the small picture ..... 29
Using the Multi-Window feature ..... 29
Using the INFO (channel preview) function ..... 30
Using the FAVORITE function ..... 30
Using the MULTI (strobe) function ..... 30
Using the LOCKS menu ..... 31
Entering the PIN code ..... 31
If you cannot remember your PIN code ..... 31
Using the V-CHIP menu ..... 32
ENABLE BLOCKING ..... 32
TV RATING (Independent rating system for broadcasters) ..... 32
MPAA RATING (Independent rating system for movies) ..... 33
BLOCKING OPTION ..... 33
Unlocking programs temporarily ..... 34
Locking channels ..... 34
Locking video inputs ..... 35
Changing the PIN code ..... 35
Adjusting the picture ..... 36
Selecting the picture mode ..... 36
Adjusting the picture quality ..... 36
Saving your new preferences ..... 37
Using the flesh tone feature ..... 37
Using the noise reduction feature ..... 37
Selecting the color temperature ..... 38
Resetting your picture adjustments ..... 38
Watching video input ..... 39
Labeling the video input sources ..... 39
Using the closed caption feature ..... 40
Setting the sleep timer ..... 41
Setting the clock ..... 41
Adjusting the sound ..... 42
Muting the sound ..... 42
Selecting stereo/SAP broadcasts ..... 42
Using the surround sound feature ..... 43
Adjusting the sound quality ..... 43
Resetting your audio adjustments ..... 44
Using the CYCLONE® sub-woofer system ..... 44
Turning off the built-in speakers ..... 45
Selecting the Audio Out sound ..... 45
Using the StableSound® feature ..... 46
Selecting the menu display background ..... 46
Displaying on-screen information ..... 46
Viewing the demonstration mode ..... 47
Understanding the auto power off feature ..... 47
Understanding the last mode memory feature ..... 47
**Appendix ..... 48**
Specifications ..... 48
Troubleshooting ..... 49
Limited United States Warranty ..... 50
Limited Canada Warranty ..... 51
**Index ..... 52**

# Introduction

## Welcome to Toshiba

Congratulations! You have purchased one of the finest TVs on the market. The goal of this manual is to guide you through setting up and operating your Toshiba TV as quickly as possible.

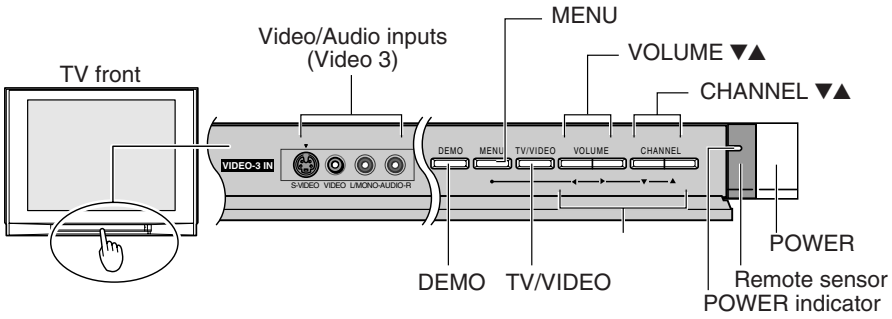
This manual applies to models 32AFX62 and 36AFX62. Before you start reading, check your model number by looking at the rear of the TV.

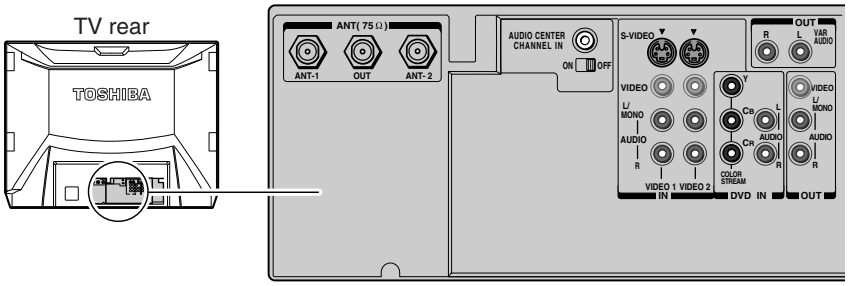
Instructions in this manual are based on using the remote control. You can also use the controls on the TV if they have the same name as those on the remote control.

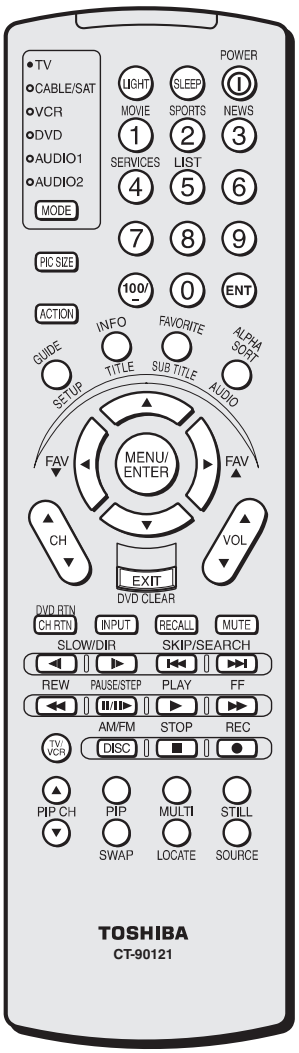
Please read all the safety and operating instructions carefully, and keep the manual for future reference.

## Exploring your new TV

You can operate your TV using the buttons on the front panel or the remote control. The back panel and front panel (behind the door) provide all the terminal connections you will need to connect other equipment to your TV.



# Connecting your TV

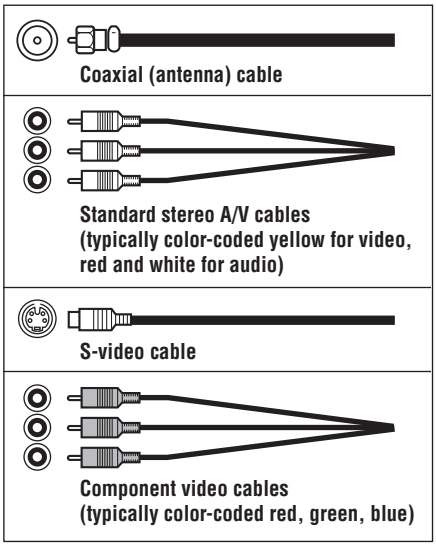
***Note:*** *Cables are not supplied with your TV.*

- **Coaxial cable** is the cable that comes in from your antenna, cable TV service, or cable converter box. Coaxial cable uses "F" connectors.
- **Standard stereo A/V cables** usually come in sets of three, and are typically color-coded according to use: yellow for video, red for stereo right audio, and white for stereo left (or mono) audio. Your TV's standard A/V inputs are color-coded in the same manner as the cables.
- **S-Video cable** is for use with video equipment that has S-Video connectors.
- **Component video cables** come in sets of three (typically color-coded red, green, and blue), and are for use with video equipment that has component video connectors. Your TV's ColorStream® (component video) inputs are color-coded in the same manner as the cables.

**NOTE REGARDING PICTURE QUALITY**

When connecting video equipment to your Toshiba TV:

- **For GOOD picture quality:** Use a standard yellow video cable.
- **For BETTER picture quality:** If your equipment has S-video connectors, use an S-video cable ***instead of*** a standard yellow video cable. (You still must connect the standard red and white audio cables for full system connection, but *do not connect a standard yellow video cable at the same time* or the picture performance will be unacceptable.)
- **For BEST picture quality:** If your equipment has component video connectors, use component video cables ***instead of*** a standard yellow video cable or S-video cable. (You still must connect the standard red and white audio cables for full system connection.)



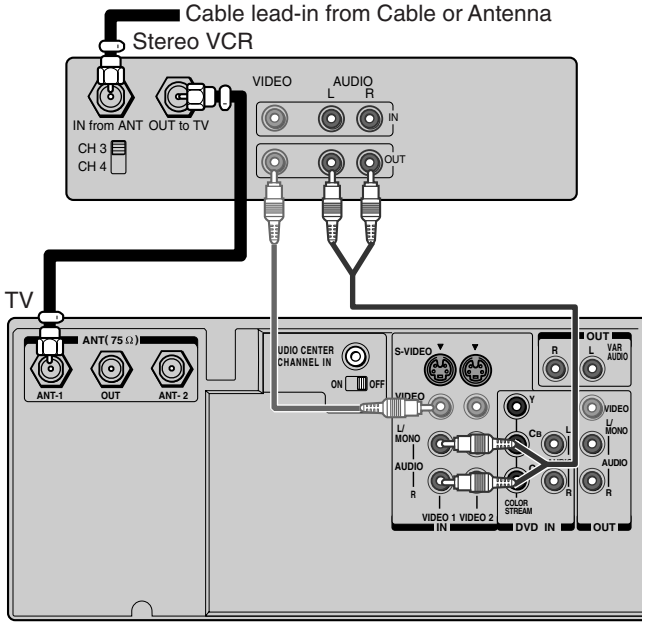

***CAUTION:*** *Do not plug in any power cords until you have finished connecting all equipment.*

## Connecting a VCR

This connection allows you to watch local channels and video programs, play or record on the VCR while watching TV, and record one channel while watching another channel.

You will need:

- two coaxial cables
- one set of standard A/V cables




***Caution:***

*If you have a mono VCR, connect L/Mono to VCR Audio OUT using only one audio cable.*

*If you have an S-VHS VCR, use an S-video cable instead of a standard video cable.*

*Do not connect a standard video cable and an S-video cable to Video-1 (or Video-2) at the same time, or the picture performance will be unacceptable.*

**The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.**

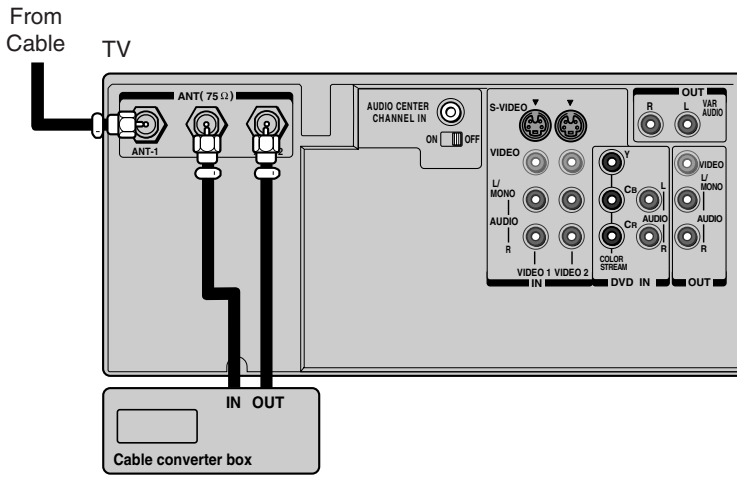
## Connecting a cable converter box

This connection allows you to watch cable and premium channels.

To use the TV's features, select ANT-1. To view premium channels, select ANT-2 and tune the TV to channel 3 or 4 (whichever channel is vacant in your area), then use the converter box to change channels.

You will need:

- three coaxial cables




***Note:***

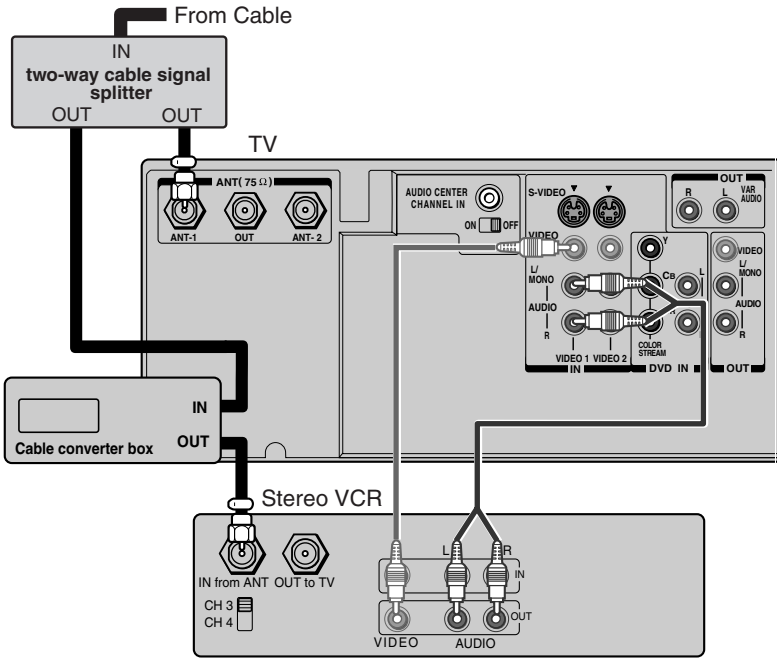
*When you use a converter box with your TV, the remote control will not operate some features, such as programming your favorite channels, labeling channels, and locking channels.*

## Connecting a cable converter box and VCR

This connection allows you to watch and record basic and premium cable channels, watch videotapes, and record one TV channel while watching another TV channel. To use the TV's features, select ANT-1. To view premium channels or record with the VCR, select ANT-2, change the TV channel to 3 or 4 (whichever channel is vacant in your area), and then use the converter box to change channels.

You will need:

- one two-way cable signal splitter
- four coaxial cables
- one set of standard A/V cables




***Note:***

*If you have a mono VCR, connect L/Mono to VCR Audio OUT using only one audio cable.*

*If you have an S-VHS VCR, use an S-video cable instead of a standard video cable. Do not connect a standard video cable and an S-video cable to Video-1 (or Video-2) at the same time, or the picture performance will be unacceptable.*

*When you use a converter box with your TV, the remote control will not operate some features, such as programming your favorite channels, labeling channels, and locking channels.*

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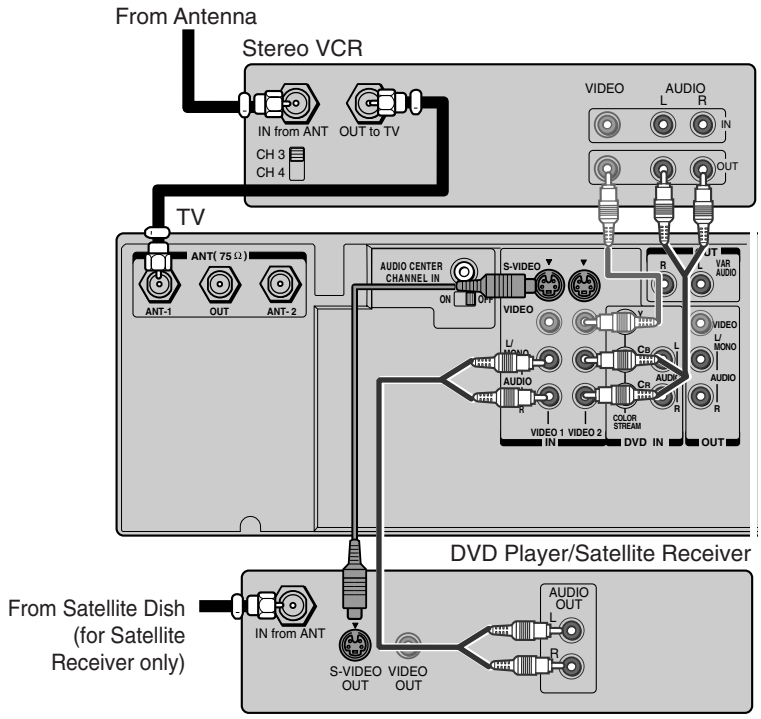
## Connecting a DVD player or satellite receiver and a VCR

This connection allows you to watch DVD/satellite, VCR, and TV programs. You can record one TV channel while watching another channel.

You will need:

- two (or three, if satellite receiver is used) coaxial cables
- one set of standard A/V cables
- one S-video cable
- one pair of standard audio cables




***Note:***

*For the highest possible picture quality from a DVD player or satellite receiver that does not have component video connections, use an S-video cable between the TV and DVD player or satellite receiver.* ***If your DVD player or satellite receiver is component video compatible, see "Connecting a DVD player with ColorStream® (component video) and a VCR" below.***

*Do not connect both an S-video cable and a standard video cable to Video-1 (or Video-2) at the same time, or the picture performance will be unacceptable.*

*Do not connect the DVD player/satellite receiver and VCR to the same video channel on the TV. (See the illustration at left, which shows the DVD player/satellite receiver connected to Video-1 and the VCR connected to Video-2.)*

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## Connecting a DVD player with ColorStream® (component video) and a VCR

This connection allows you to watch DVD, VCR, and TV programs, and record one channel while watching another channel.

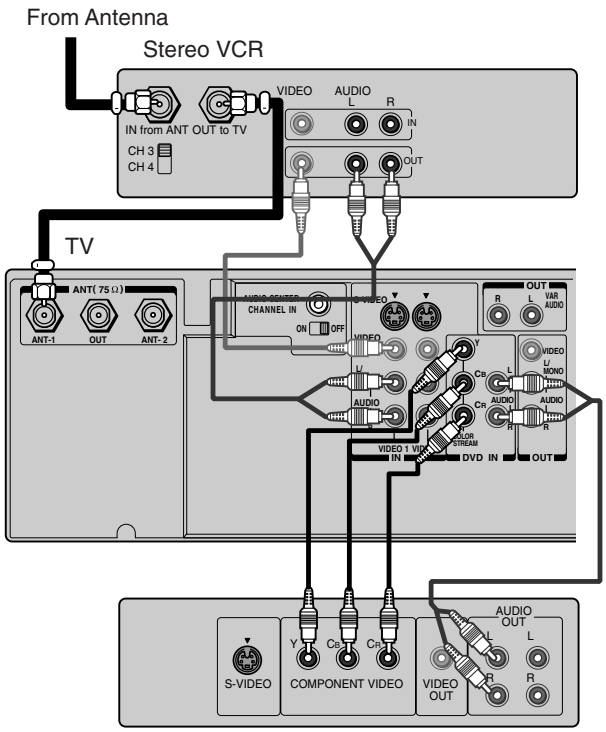
Your TV has ColorStream (component video) inputs. Connecting your TV to a component video compatible DVD player (such as a Toshiba DVD player with ColorStream®) can greatly enhance picture quality and realism.

You will need:

- two coaxial cables
- one set of standard A/V cables
- one set of component video cables
- one pair of standard audio cables

*(Continued on next page)*

*(Continued from previous page)*




DVD player with component video

***Note:***

*For the highest possible picture quality, use component video cables between the TV and DVD player. Connect the component video cables from the DVD player to the TV's ColorStream inputs.*

*The ColorStream inputs on the TV are for use with DVD players that offer 480i interlaced scanning ONLY.* ***If you have a 480p progressive scan DVD player, you must switch the DVD player to 480i interlaced mode first****, and then connect it to the TV's ColorStream inputs. Failure to do this will cause unacceptable picture performance.*

*You can connect a high-definition set-top receiver only if the output is switched to the 480i interlaced mode first.* ***This TV will not accept or display 480p or 720p progressive scan signals or 1080i interlaced high-definition signals.***

*If your DVD player is not compatible with component video, use an S-video cable (plus the standard audio cables) instead of component video cables.*

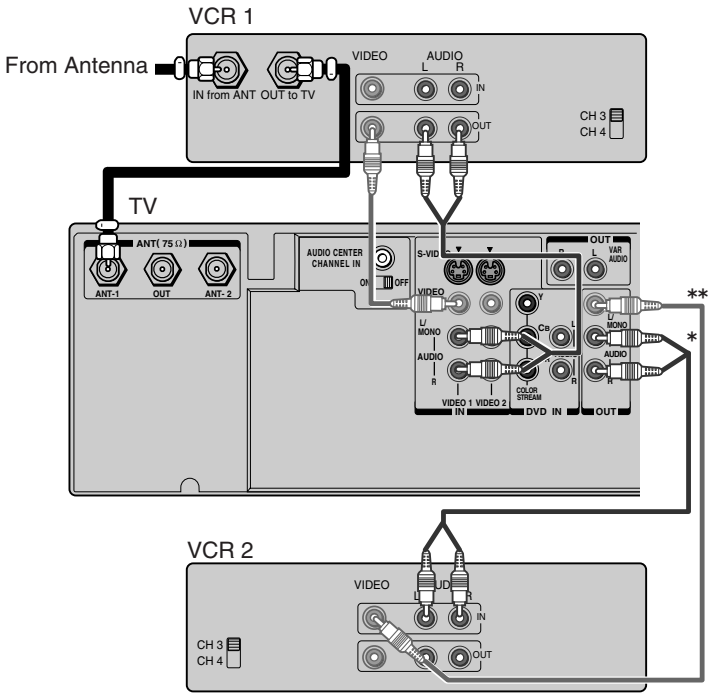
*Do not connect both S-video and standard video cables between the TV and DVD player at the same time, or the picture performance will be unacceptable.*

## Connecting two VCRs

This connection allows you to record (dub/edit) from one VCR to another VCR while watching a videotape. You can also record from one TV channel while watching another channel.

You will need:

- two coaxial cables
- two sets of standard A/V cables




**The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.**

***Note:***

*Do not connect the same VCR to the output and input jacks on the TV at the same time.*

*If you have S-VHS VCRs, use S-video cables instead of a standard video cable. Do not connect both a standard video cable and an S-video cable to Video-1 (or Video-2) at the same time, or the picture performance will be unacceptable.*

*To dub or edit, VCR 2 must select Line IN, and the TV must select Video-1.*

* *The Audio OUT jacks can output the sound of either the Main or PIP picture (see "Selecting the Audio OUT sound" on page 45).*

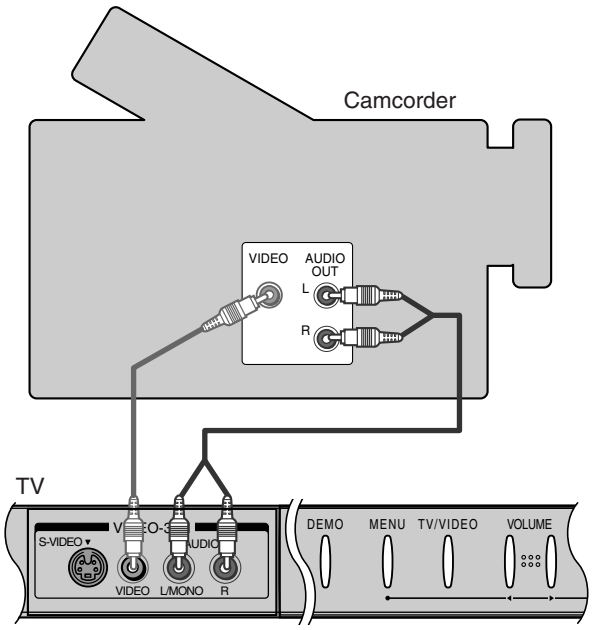
** *The Video OUT jack does not output the PIP picture.*

## Connecting a camcorder

This connection allows you to watch video materials recorded on a camcorder.

You will need:

- one set of standard A/V cables




***Note:***

*If you have an S-VHS camcorder, the picture quality will increase if you use an S-video cable instead of a standard video cable.*

*Do not connect both a standard video cable and an S-video cable at the same time, or the picture performance will be unacceptable.*

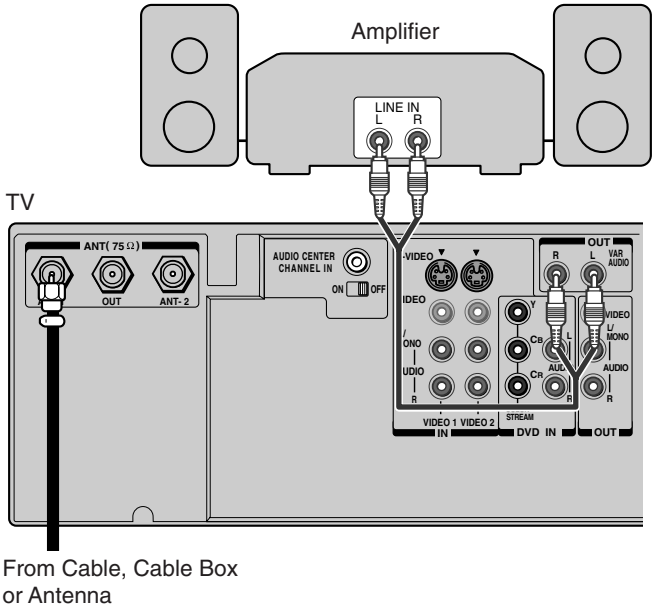
## Connecting an audio system

This connection allows you to use an audio amplifier to adjust the audio level. This also allows you to use external speakers.

To control the audio, turn on the TV and the stereo amplifier, and turn off the built-in speakers. (See"Turning off the built-in speakers" on page 45.)

You will need:

- one coaxial cable
- one pair of standard audio cables




***Note:***

*To hear sound when using an external audio amplifier, the volume of both the TV and amplifier must be set above 0 (zero).*

## Connecting an A/V receiver

This connection allows you to use an A/V (audio/video) receiver to enhance your TV's sound.

If you have a system with Dolby Pro Logic® surround sound, you can add to the realism of the sound by using the TV speakers as center channel speakers.

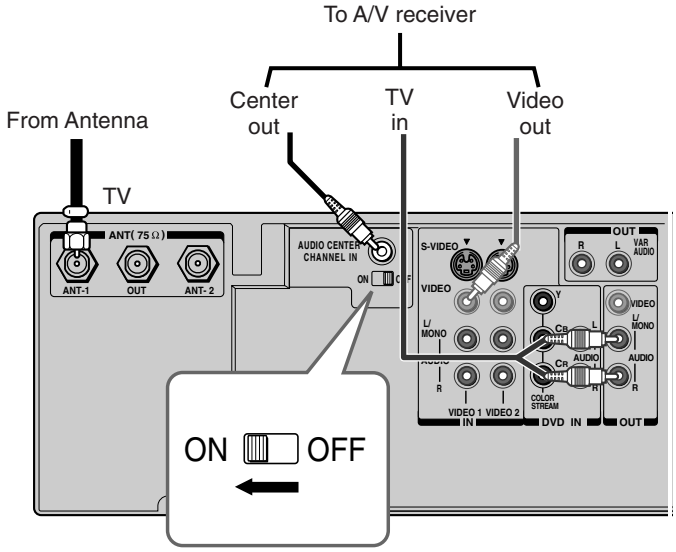
You will need:

- one set of standard A/V cables
- one single audio cable for the Audio Center Channel

***Caution:***

*To avoid damaging the speakers:*

- *Turn off the TV before connecting or disconnecting the Audio Center Channel cable.*
- *Do not connect from the A/V receiver's Center Speaker OUT terminal (amplified signal) to the TV's Audio Center Channel IN terminal.*




***Note:***

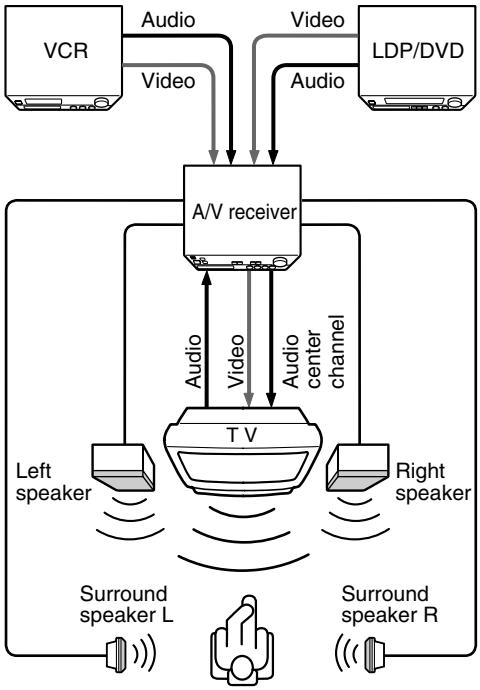
*Refer to the instructions provided with your A/V receiver for details about your surround sound system.*

*When the Audio Center Channel ON/OFF switch is in the ON position, the TV speakers will function only as center channel speakers.*

*To adjust the volume of the center channel speakers, use the center level control on the A/V receiver.*

*To use the TV speakers as normal speakers, set the Audio Center Channel ON/OFF switch to the OFF position.*

Dolby Pro Logic* surround sound system connection example




*Dolby Pro Logic is a registered trademark of Dolby Laboratories Licensing Corporation.

# Using the remote control

## Preparing the remote control for use

Your Toshiba TV remote control has one dedicated TV mode and five universal modes: VCR, Cable/SAT, DVD, Audio1, and Audio2. The target and default devices being programmed for each mode are as follows:

Target device/Mode mapping

| Mode | Device |
|---|---|
| TV | Toshiba TV |
| CABLE/SAT | Universal Cable, Satellite |
| VCR | Universal VCR, DVD, LD, Cassette |
| DVD | Universal DVD, VCR, LD, Cassette |
| AUDIO1 | Universal Audio: Amp., Tuner, Misc.Audio, CD/MD |
| AUDIO2 | Universal Audio: CD/MD, Amp., Tuner, Misc.Audio |

Default device codes

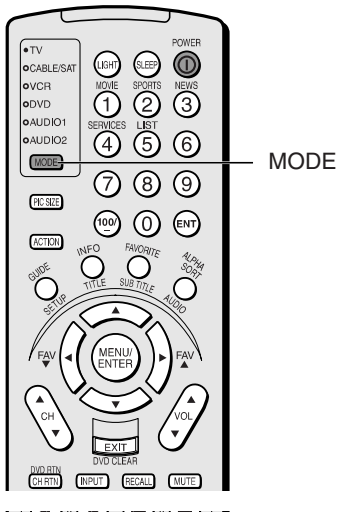
| Mode | Default device |
|---|---|
| TV | Toshiba TV |
| CABLE/SAT | Toshiba Satellite receiver |
| VCR | Toshiba VCR |
| DVD | Toshiba DVD |
| AUDIO1 | Pioneer Audio receiver |
| AUDIO2 | Pioneer LD |

Repeatedly press MODE to cycle among the modes. If you own different brands of audio/video devices, you first have to program your remote control (see "Programming the remote control for use with your audio/video devices" on page 16).

***Note:***

*Your TV remote control may not operate certain features on your VCR, DVD player, cable TV converter, or other electronic device.*

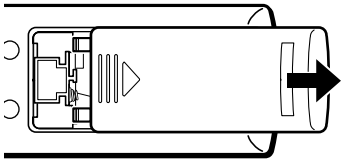
*Refer to the owner's manuals for your other devices to determine their available features. If your TV remote control does not operate a specific feature on another device, use the remote control that came with the device.*



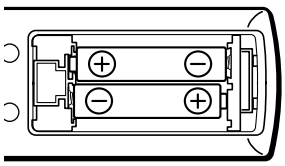

## Installing the remote control batteries

To install the batteries:

1. Slide the battery cover off the back of the remote control.



2. Install two "AA" size alkaline batteries. Match the + and - signs on the batteries to the signs on the battery compartment.



3. Slide the battery cover back on the remote control until the lock snaps.

***Note:***

- *Battery life expectancy is about one year with normal use.*

***Caution:***

- *Dispose of batteries in a designated disposal area. Do not throw batteries into a fire.*
- *Do not mix battery types or combine used batteries with new ones.*
- *If the batteries are dead or you do not intend to use the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.*

## Remote Control functional key chart

| Key Label | Toshiba TV (TV) | Cable (CBL/SAT) | Satellite (CBL/SAT) | VCR | DVD/LD | Receiver (AUDIO) | CD/MD (AUDIO) | Cassete (VCR) |
|---|---|---|---|---|---|---|---|---|
| LIGHT | Lights the remote key, and toggles between enabled and disabled Illumination mode. | | | | | | | |
| SLEEP | Sleep timer | --- | --- | --- | --- | --- | --- | --- |
| POWER | Power | Power | Power | Power | Power | Power | Power | Power |
| 1/MOVIE | Digit 1 | Digit 1 | Digit 1 | Digit 1 | Digit 1 | AV input 1 | Digit 1 | Digit 1 |
| 2/SPORTS | Digit 2 | Digit 2 | Digit 2 | Digit 2 | Digit 2 | AV input 2 | Digit 2 | Digit 2 |
| 3/NEWS | Digit 3 | Digit 3 | Digit 3 | Digit 3 | Digit 3 | AV input 3 | Digit 3 | Digit 3 |
| 4/SERVICES | Digit 4 | Digit 4 | Digit 4 | Digit 4 | Digit 4 | AV input 4 | Digit 4 | Digit 4 |
| 5/LIST | Digit 5 | Digit 5 | Digit 5 | Digit 5 | Digit 5 | CD | Digit 5 | Digit 5 |
| 6 | Digit 6 | Digit 6 | Digit 6 | Digit 6 | Digit 6 | Tuner | Digit 6 | Digit 6 |
| MODE | Remote control device mode selection | | | | | | | |
| PIC SIZE | Selects the image shape. | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵TV | ⟵ TV |
| 7 | Digit 7 | Digit 7 | Digit 7 | Digit 7 | Digit 7 | Phono | Digit 7 | Digit 7 |
| 8 | Digit 8 | Digit 8 | Digit 8 | Digit 8 | Digit 8 | Cassette | Digit 8 | Digit 8 |
| 9 | Digit 9 | Digit 9 | Digit 9 | Digit 9 | Digit 9 | Aux | Digit 9 | Digit 9 |
| ACTION | --- | --- | Action, Menu | --- | Menu | --- | --- | --- |
| 100/– | 100 | --- | 100 | 100 | 100 | 100 | 100 | 100 |
| 0 | Digit 0 | Digit 0 | Digit 0 | Digit 0 | Digit 0 | Digit 0 | Digit 0 | Digit 0 |
| ENT | --- | CH Enter | CH Enter | CH Enter | --- | --- | --- | --- |
| GUIDE/SETUP | --- | --- | Guide | --- | DVD setup | --- | --- | --- |
| INFO/TITLE | --- | --- | INFO | --- | TITLE= Top menu | --- | --- | --- |
| FAVORITE/ SUBTITLE | Favorite CH | --- | Favorite CH | --- | Subtitle | --- | --- | --- |
| ALPHASORT/ AUDIO | --- | --- | Alphasort | --- | Audio | --- | --- | --- |
| MENU/ ENTER | Menu open/ Enter | --- | Select | --- | Enter | --- | --- | --- |
| ▲▼ | Menu select | --- | Menu select | --- | Menu select | --- | --- | --- |
| ◀▶/FAV ▼▲ | Menu select/ FAV ▼▲ | --- | Menu select | --- | Menu select | --- | --- | --- |
| VOL ▲▼ | Volume up/down* | Volume up/down* | Volume up/down* | Volume up/down* | Volume up/down* | Volume up/down* | Volume up/down* | --- |
| EXIT/ DVD CLEAR | Exit | Exit | Exit | Exit | DVD clear | Exit/Clear | Exit/Clear | Exit/Clear |
| CH ▲▼ | Channel up/down | Channel up/down | Channel up/down | Channel up/down | --- | Channel up/down | --- | --- |
| INPUT | TV/Video select | ⟵ TV | ⟵ TV | VCR input | ⟵ TV | Input | ⟵ TV | ⟵ TV |
| MUTE | Sound mute* | Sound mute* | Sound mute* | Sound mute* | Sound mute* | Sound mute* | Sound mute* | --- |
| RECALL | On-screen display | --- | On-screen display | On-screen display | On-screen display | --- | --- | --- |
| CH RTN/ DVD RTN | Previous channel | Previous channel | Previous channel | Previous channel | DVD return | --- | --- | --- |
| SLOW/ ▶<br>DIR ◀ | ---<br>--- | ---<br>--- | ---<br>--- | Forward<br>--- | Forward<br>Reverse | ---<br>--- | ---<br>--- | ---<br>--- |
| SKIP/ ▶<br>SEARCH ◀ | ---<br>--- | ---<br>--- | ---<br>--- | ---<br>--- | Forward<br>Reverse | ---<br>--- | Forward<br>Reverse | Forward<br>Reverse |
| REW | VCR⟶ | VCR⟶ | VCR⟶ | Rewind | Rewind | Rewind | Rewind | Rewind |
| PAUSE/STEP | VCR⟶ | VCR⟶ | VCR⟶ | Pause | Pause | Pause | Pause | Pause |
| PLAY | VCR⟶ | VCR⟶ | VCR⟶ | Play | Play | Play | Play | Play |
| FF | VCR⟶ | VCR⟶ | VCR⟶ | F. Forward | F. Forward | F. Forward | F. Forward | F. Forward |

| Key Label | Toshiba TV (TV) | Cable (CBL/SAT) | Satellite (CBL/SAT) | VCR | DVD/LD | Receiver (AUDIO) | CD/MD (AUDIO) | Cassete (VCR) |
|---|---|---|---|---|---|---|---|---|
| TV/VCR | VCR ⟶ | --- | TV/SAT | TV/VCR | --- | --- | --- | Reverse |
| AM/FM DISC | --- | --- | --- | --- | Disc shift | AM/FM | Disc shift | Deck side A/B switch |
| STOP | VCR ⟶ | VCR ⟶ | VCR ⟶ | Stop | Stop | Stop | Stop | Stop |
| REC** | VCR ⟶ | VCR ⟶ | VCR ⟶ | Record | --- | Record | Record | Record |
| PIP CH ▲▼ | PIP channel up/down | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV |
| PIP | PIP on/off | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV |
| MULTI | Strobe | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV |
| STILL | PIP Still | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV |
| SWAP | PIP Swap | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV |
| LOCATE | PIP Locate | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV |
| SOURCE | PIP Source | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV | ⟵ TV |

***Notes:***

- *"---" will send nothing.*
- *"⟵ TV" will jump to TV.*
- *"⟶VCR" will jump to last active VCR or DVD. Active VCR/DVD is defined as the mode that remains for a minimum of 5 seconds, or if a key is pressed in that mode.*

* *The VOLUME and MUTE will jump to "TV" by default. When the volume is unlocked, all the devices will have their own volume. The AUDIO1/2 (Receiver, CD) modes will have their own volume even if Volume Lock is on TV, CABLE/SAT, VCR, or DVD. See "Using the Volume Lock feature" on page 17.*

** *Press the REC button twice within 5 seconds to record each A/V source.*

# Programming the remote control for use with your audio/video devices

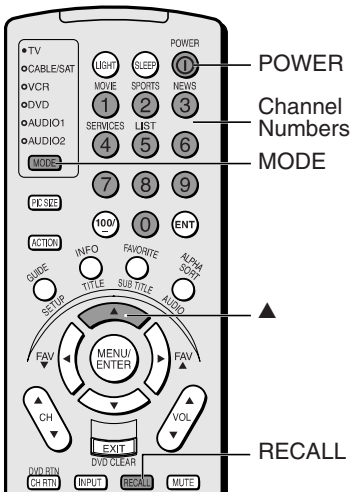
## Device code setup

1. Refer to the device code table on pages 18–19 to find the code for the brand of your device.

   If more than one code is listed, try each one separately until you find one that works.
2. Repeatedly press MODE until the device mode indicator (CABLE/SAT, VCR, DVD, AUDIO1, AUDIO2) lights up.
3. While holding down the RECALL button, press the Channel Number buttons to enter the four-digit code for your device.
   If a valid code is entered, the mode indicator will blink two times.
   If an invalid code is entered, the mode indicator will blink one long blink.
4. Point the remote control at the device and press POWER to test the code.

   If the device responds to the remote control, you have entered the correct code.

   If the device does not respond to the remote control, you may have entered the wrong code. Repeat steps 3 and 4 using another code.
5. To control the TV, repeatedly press MODE until the TV mode indicator lights up.




***Note:***

- *Every time you replace the batteries, you must reprogram the remote control.*
- *Some newer VCRs are capable of working on either of two remote codes. These VCRs have a switch labeled "VCR1/VCR2." If your VCR has this kind of switch and does not respond to any of the codes for your VCR brand, set the switch to the other position (VCR1 or VCR2) and reprogram the remote control.*

## Searching and sampling the code of a device (8500)

If you do not know the device code for a particular target unit, you can cycle the remote through the available codes for that device mode and sample functions in order to find the code that properly operates the target device. The keys available to be sampled, provided they are applicable to that mode, are 0, 1, 2, 3, POWER, VOL ▲, CH ▲, PLAY and STOP. Invalid keys will be ignored while in program mode.

To cycle through each available device code and sample its functions:

1. Press MODE to select the mode you want to set up.
2. While holding down RECALL, press 8-5-0-0.
   The remote control will enter program mode.
3. Point the remote control at the target device and press POWER (or other function buttons that are available to be sampled).
4. If the device responds to the remote control:
   Press RECALL to store the device code.
   The mode indicator will blink two times and the remote control will exit program mode.

   If the device does not respond to the remote control:
   Press ▲, and then press POWER.
   Repeat this step until the device responds to the remote control, and then press RECALL.

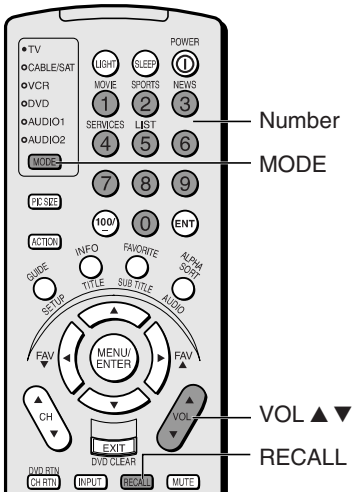
***Note:*** *When a search cycle is complete, the mode indicator will blink three times. The remote control will begin to cycle through the available codes again. If no key is pressed within 10 seconds while programming, the remote control will exit the program mode and return to the previous code.*

### Using the Volume Lock feature (8000)

For the TV, CABLE/SAT, VCR, and DVD modes, the volume controls (VOL ▲▼ and MUTE) can be programmed (locked) to the selected device mode. This feature does not apply to the AUDIO1/2 modes.

For example, to lock the volume controls to always jump to the CABLE/SAT mode:

1. Repeatedly press MODE to select the CABLE/SAT mode.
2. While holding down RECALL, press 8-0-0-0.
3. Press VOL ▲. The Mode indicator will blink two times (locked).




The following table describes in more detail the Volume Lock implementation.

| Volume Locked to: | TV | CBL/SAT | VCR | DVD | AUD1 | AUD2 |
|---|---|---|---|---|---|---|
| TV (default) | TV | TV | TV | TV | AUD1 | AUD2 |
| CBL/SAT | CBL/SAT | CBL/SAT | CBL/SAT | CBL/SAT | AUD1 | AUD2 |
| VCR | VCR | VCR | VCR | VCR | AUD1 | AUD2 |
| DVD | DVD | DVD | DVD | DVD | AUD1 | AUD2 |
| AUD1 | AUD1 | AUD1 | AUD1 | AUD1 | AUD1 | AUD1 |
| AUD2 | AUD2 | AUD2 | AUD2 | AUD2 | AUD2 | AUD2 |

To reset the volume controls to the original device code:

1. While holding down RECALL, press 8-0-0-0.
2. Press VOL ▼. The Mode indicator will blink four times (unlocked).

### Operational feature Reset (8900)

This feature clears all setup features not related to "Device code set up" and resets the Volume Lock to "TV."

To reset the features:

While holding down RECALL, press 8-9-0-0.

The Mode indicator will blink two times, and then pause and blink two more times.

## VCR setup codes

| Brand | Code |
|---|---|
| ADMIRAL | 0135 |
| AIWA | 0127, 0132, 0181 |
| AKAI | 0129, 0114, 0115, 0116 |
| AUDIO DYNAMIC | 0139, 0111 |
| BELL&HOWELL | 0105, 0113 |
| BROKSONIC | 0120, 0126, 0180 |
| CANON | 0123, 0125 |
| CCE | 0143 |
| CITIZEN | 0106 |
| CRAIG | 0105, 0129, 0106 |
| CURTIS MATHES | 0145, 0124, 0127 |
| DAEWOO | 0143, 0101, 0124, 0175 |
| DBX | 0139, 0110, 0111 |
| DIMENSIA | 0145 |
| EMERSON | 0143, 0126, 0119, 0103, 0125, 0142, 0120, 0118 |
| FISHER | 0105, 0108, 0109, 0107, 0113, 0165 |
| FUNAI | 0127, 0126, 0120, 0134 |
| GE | 0133, 0145, 0124 |
| GO VIDEO | 0137, 0151, 0163, 0149, 0150, 0182 |
| GOLDSTAR | 0106 |
| GRADIENTE | 0170, 0171, 0168, 0134, 0156 |
| HITACHI | 0123, 0145, 0100, 0127, 0168 |
| INSTANT REPLAY | 0124, 0123 |
| JENSEN | 0139 |
| JVC | 0139, 0110, 0111, 0134, 0157, 0158, 0184, 0185 |
| KENWOOD | 0139, 0110, 0106, 0111 |
| LG | 0159 |
| LXI | 0127, 0106, 0100, 0107, 0108, 0105, 0109 |
| MAGNAVOX | 0131, 0123, 0124, 0173 |
| MARANTZ | 0139, 0110, 0111 |
| MARTA | 0106 |
| MEMOREX | 0124, 0109 |
| MGA | 0138, 0140, 0147, 0148, 0141, 0142 |
| MINOLTA | 0100, 0145 |
| MITSUBISHI | 0138, 0140, 0147, 0148, 0141, 0142, 0161, 0164 |
| MULTITECH | 0147, 0127, 0104 |
| NEC | 0139, 0110, 0111, 0134 |
| OLYMPIC | 0124, 0123 |
| OPTIMUS | 0128, 0121, 0135, 0106 |
| ORION | 0126, 0120, 0132 |
| PANASONIC | 0123, 0124, 0121, 0122 |
| PENNEY | 0124, 0100, 0145, 0105, 0139, 0110, 0111 |
| PENTAX | 0100, 0111, 0145 |
| PHILCO | 0131, 0124, 0127, 0123, 0126, 0120, 0143 |
| PHILIPS | 0131, 0123, 0124, 0173 |
| PIONEER | 0123 |
| PROSCAN | 0145, 0100, 0123, 0124, 0131, 0146, 0101, 0102, 0133, 0174 |
| QUASAR | 0121, 0122, 0123, 0124 |
| RADIO SHACK | 0133, 0124, 0105, 0136, 0109, 0140, 0127 |
| RCA | 0133, 0145, 0100, 0123, 0124, 0131, 0146, 0101, 0102, 0170, 0172, 0174, 0176, 0183 |
| REALISTIC | 0124, 0105, 0136, 0109, 0140, 0127 |
| SAMSUNG | 0137, 0102, 0104, 0133 |
| SAMTRON | 0163 |
| SANSUI | 0139, 0126, 0120, 0152 |
| SANYO | 0105, 0109, 0113 |
| SCOTT | 0101, 0102, 0104, 0109, 0138, 0140, 0147, 0148, 0126, 0120 |
| SEARS | 0105, 0106, 0107, 0108, 0100 |
| SHARP | 0135, 0136, 0167, 0162 |
| SHINTOM | 0117 |
| SIGNATURE 2000 | 0127, 0135 |
| SINGER | 0117 |
| SONY | 0128, 0129, 0130, 0153, 0154, 0155 |
| SV2000 | 0127 |
| SYLVANIA | 0131, 0123, 0124, 0127, 0178 |
| SYMPHONIC | 0127, 0168, 0177 |
| TASHIRO | 0106 |
| TATUNG | 0139, 0110, 0111 |
| TEAC | 0139, 0110, 0127, 0111 |
| TECHNICS | 0121, 0122, 0123, 0124 |
| TEKNICA | 0124, 0127, 0112 |
| THOMSON | 0179, 0183 |
| TOSHIBA | 0101, 0146, 0166, 0160 |
| VECTOR RESEARCH | 0111 |
| WARDS | 0135, 0136, 0109, 0144, 0106 |
| YAMAHA | 0105, 0139, 0110, 0111 |
| ZENITH | 0144, 0106, 0169, 0180 |

## Cable box setup codes

| Brand | Code |
|---|---|
| ABC | 1124 |
| ARCHER | 1132, 1125 |
| CABLEVIEW | 1105, 1132 |
| CITIZEN | 1122, 1105 |
| CURTIS | 1112, 1113 |
| DIAMOND | 1124, 1132, 1125 |
| EAGLE | 1129 |
| EASTERN | 1134 |
| GCBRAND | 1132, 1105 |
| GEMINI | 1122, 1143 |
| G.I./JERROLD | 1119, 1124, 1125, 1126, 1127, 1120, 1121, 1122, 1111, 1123, 1152 |
| HAMLIN | 1140, 1141, 1142, 1145, 1118, 1112 |
| HITACHI | 1103, 1124 |
| MACOM | 1103, 1104, 1105, 1108 |
| MAGNAVOX | 1133 |
| MEMOREX | 1130 |
| MOVIETIME | 1132, 1105 |
| OAK | 1139, 1137, 1102 |
| PANASONIC | 1109, 1110, 1114, 1151, 1153 |
| PHILIPS | 1128, 1129, 1130, 1106, 1107, 1150, 1131 |
| PIONEER | 1101, 1116 |
| PULSAR | 1105, 1132 |
| PUSER | 1132 |
| RCA | 1115 |
| REALISTIC | 1132 |
| REGAL | 1112, 1118, 1140, 1141, 1142, 1145, 1149 |
| REGENCY | 1134 |
| REMBRANT | 1137, 1132, 1105, 1138 |
| SAMSUNG | 1105 |
| S.A. | 1111, 1112, 1113 |
| SLMARK | 1105, 1101 |
| SPRUCER | 1105, 1110 |
| STARGATE | 1132, 1105 |
| TELECAPTION | 1148 |
| TELEVIEW | 1101, 1105 |
| TEXSCAN | 1144 |
| TOCOM | 1135, 1136, 1147 |
| TOSHIBA | 1104, 1146 |
| UNIKA | 1132, 1125 |
| UNIVERSAL | 1122, 1132 |
| VIDEOWAY | 1106 |
| VIEWSTAR | 1129, 1130 |
| ZENITH | 1117, 1100 |
| ZENITH/DRAKE SATELLITE | 1100 |

## Device code table

### CD Player setup codes

| Brand | Code |
|---|---|
| ADMIRAL | 6126 |
| AIWA | 6133, 6135 |
| CARVER | 6129 |
| DENON | 6142, 6151 |
| EMERSON | 6139 |
| FISHER | 6105, 6106 |
| GARRARD | 6117 |
| HARMAN KARDON | 6120, 6121, 6123, 6119 |
| HITACHI | 6107 |
| JENSEN | 6134 |
| JVC | 6140, 6141, 6145, 6148, 6151 |
| KENWOOD | 6100, 6101, 6111, 6145 |
| LXI | 6136 |
| MAGNAVOX | 6129, 6132 |
| MARANTZ | 6129 |
| MCINTOSH | 6121 |
| NAKAMICHI | 6110 |
| ONKYO | 6114, 6115 |
| OPTIMUS | 6108, 6118, 6120, 6122 |
| PANASONIC | 6124, 6125, 6127, 6150 |
| PHILIPS | 6129, 6130, 6149 |
| PIONEER | 6108 |
| QUASAR | 6125, 6127, 6124 |
| RCA | 6147, 6137, 6138, 6131, 6152 |
| SANSUI | 6110, 6146, 6113 |
| SANYO | 6105 |
| SCOTT | 6110, 6146 |
| SHARP | 6142, 6143 |
| SHERWOOD | 6120 |
| SONY | 6128 |
| SOUNDE-SIGH | 6144 |
| TEAC | 6112, 6116, 6118 |
| TECHNICS | 6127, 6124, 6125 |
| VICTOR | 6140, 6141, 6145 |
| YAMAHA | 6102, 6103, 6104 |

### Receiver setup codes

| Brand | Code |
|---|---|
| ADMIRAL | 4120 |
| AIWA | 4125, 4126, 4146 |
| DENON | 4134, 4135, 4136, 4143 |
| FISHER | 4104 |
| GARRARD | 4113 |
| HARMAN KARDON | 4115, 4123, 4145 |
| JENSEN | 4129 |
| JVC | 4132, 4133, 4140, 4144 |
| KENWOOD | 4100, 4108, 4141, 4142, 4147 |
| MAGNAVOX | 4127, 4128 |
| MARANTZ | 4124 |
| MCINTOSH | 4116 |
| MITSUBISHI | 4148 |
| NAKAMICHI | 4106, 4117 |
| ONKYO | 4109, 4114 |
| OPTIMUS | 4103, 4127, 4131, 4130 |
| PANASONIC | 4119, 4118, 4121 |
| PHILIPS | 4123 |
| PIONEER | 4105, 4107, 4150 |
| QUASAR | 4119, 4118, 4121 |
| RCA | 4103, 4105, 4127, 4131, 4130, 4149 |
| SANSUI | 4103, 4111, 4139 |
| SHARP | 4134, 4137 |
| SONY | 4122 |
| SOUNDE-SIGH | 4138 |
| TEAC | 4112, 4113, 4111, 4110 |
| TECHNICS | 4121, 4118, 4119 |
| VICTOR | 4132, 4133 |
| YAMAHA | 4101, 4102 |

### Cassette Player setup codes

| Brand | Code |
|---|---|
| AIWA | 7123, 7124, 7125 |
| DENON | 7131 |
| FISHER | 7103 |
| JENSEN | 7114 |
| JVC | 7129, 7130, 7132, 7133 |
| KENWOOD | 7100, 7107 |
| MARANTZ | 7102 |
| NAKAMICHI | 7105 |
| ONKYO | 7108, 7109, 7113 |
| PANASONIC | 7116, 7118 |
| PHILIPS | 7122, 7121 |
| PIONEER | 7104, 7106 |
| RCA | 7126, 7127, 7128, 7134, 7135 |
| SANSUI | 7105, 7110, 7112 |
| SHARP | 7131 |
| SONY | 7119, 7120 |
| TEAC | 7110, 7111, 7115 |
| TECHNICS | 7116, 7118, 7117 |
| YAMAHA | 7101, 7102 |

### Laser Disc setup codes

| Brand | Code |
|---|---|
| DENON | 5114 |
| HITACHI | 5100 |
| KENWOOD | 5102, 5103 |
| MAGNAVOX | 5101 |
| MARANTZ | 5114 |
| MITSUBISHI | 5114, 5118, 5119 |
| NEC | 5114 |
| PANASONIC | 5104, 5105, 5106, 5115 |
| PHILIPS | 5111 |
| PIONEER | 5114 |
| PROSCAN | 5114 |
| QUASAR | 5104, 5105, 5106, 5115 |
| RCA | 5114 |
| SAMSUNG | 5112 |
| SANYO | 5114, 5117 |
| SHARP | 5113, 5116 |
| SONY | 5107, 5108, 5109, 5110 |
| TEAC | 5114 |
| TOSHIBA | 5114 |
| YAMAHA | 5101 |

### DVD setup codes

| Brand | Code |
|---|---|
| AIWA | 3123 |
| APEX | 3120 |
| DENON | 3100, 3117 |
| FERGUSON | 3101 |
| HITACHI | 3111 |
| JVC | 3109 |
| KENWOOD | 3115, 3129 |
| KONKA | 3119 |
| MITSUBISHI | 3105 |
| NORDMENDE | 3101 |
| ONKYO | 3121 |
| ORITRON | 3124 |
| PANASONIC | 3100 |
| PHILIPS | 3103, 3116 |
| PIONEER | 3102 |
| RAITE | 3113 |
| RCA | 3101, 3106 |
| SABA | 3101 |
| SAMPO | 3114 |
| SAMSUNG | 3110 |
| SHARP | 3108 |
| SILVANIA | 3132, 3118 |
| SMC | 3125 |
| SONY | 3104, 3126, 3127, 3128 |
| TECHNICS | 3100 |
| THOMSON | 3101 |
| TOSHIBA | 3103 |
| WAVE | 3122 |
| YAMAHA | 3100, 3130 |
| ZENITH | 3107, 3112 |
| VIALTA | 3131 |
| FUNAI | 3132, 3118 |

### Satellite Receiver setup codes

| Brand | Code |
|---|---|
| DISH NETWORK (Echostar) | 2105, 2115, 2116, 2117 |
| ECHOSTAR | 2105 |
| EXPRESS VU | 2105, 2115 |
| G.E. | 2106 |
| G.I. (GENERAL INSTRUMENT) | 2108 |
| GRADIENTE | 2114 |
| HITACHI | 2103, 2111, 2112 |
| HNS (Hughes) | 2103 |
| MAGNAVOX | 2101, 2102 |
| PANASONIC | 2104 |
| PHILIPS | 2101, 2102, 2118 |
| PRIMESTAR | 2108 |
| PROSCAN | 2106, 2109, 2110, 2113 |
| RCA | 2106, 2109, 2110, 2113 |
| SONY | 2107 |
| STAR CHOICE | 2103, 2108 |
| TOSHIBA | 2100, 2103, 2119, 2120, 2121 |
| UNIDEN | 2101, 2102 |

## Learning about the remote control

Only the buttons used for operating the TV are described here.

**POWER** turns the TV on and off

**SLEEP** accesses the automatic TV shut-off function (page 41)

**LIGHT** The first press of the LIGHT button lights the keypad and turns on the Illumination mode. With the Illumination mode on, pressing any other key lights the keypad for 5 seconds (10 seconds if the remote control is in programming mode). Subsequent presses of the LIGHT button toggle the Illumination mode on and off.

**Channel Numbers (0–9, 100)** allow direct access to channels (page 24)

**MODE** cycles through the six device modes (TV, CABLE/SAT, VCR, DVD, AUDIO1, AUDIO2). The mode indicator will remain lit for 10 seconds.

**FAVORITE** accesses the multi-window favorite channel scan feature (page 30)

**INFO** accesses the multi-window channel preview feature (page 30)

**MENU** accesses on-screen programming menus (page 21)

**ENTER** sets programming menu information (page 21)

**▲▼◄► Buttons** select or adjust programming menus (page 21)

**(FAV) ◄► Buttons** select your favorite channels (page 25)

**VOL ▲▼** adjusts the volume level

**EXIT** exits programming menus (page 21)

**CH ▲▼** cycles through programmed channels (page 24)

**CH RTN** returns to the last viewed channel (page 25)

**TV/VCR** toggles between TV and VCR modes

**RECALL** displays on-screen information(page 46)

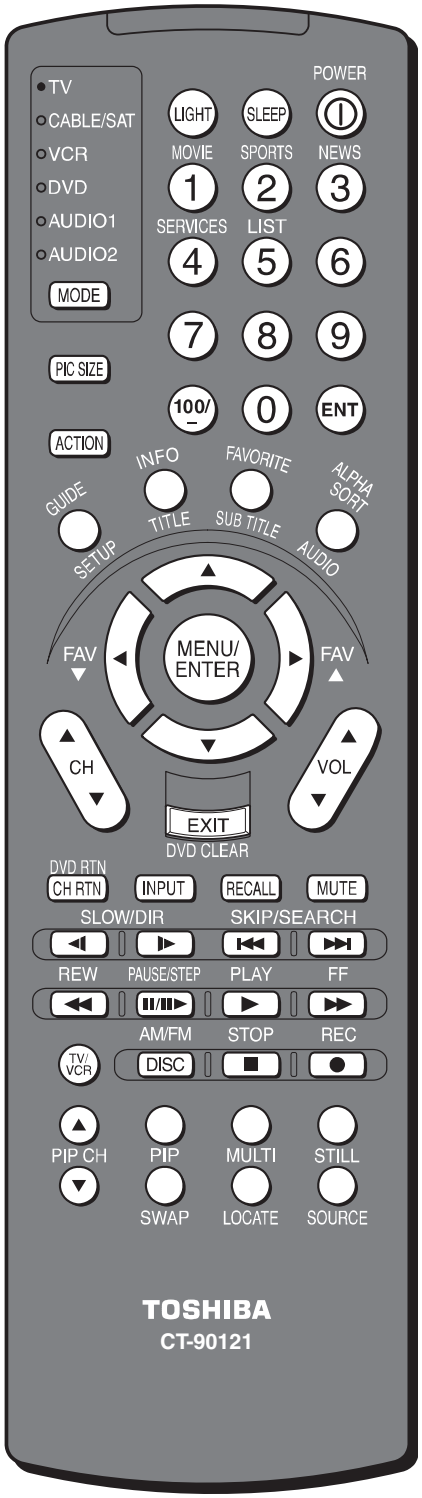
**MUTE** mutes the sound (page 42)

**INPUT** selects the video input source (page 39)

**MULTI** turns the multi-window strobe function on and off (page 30)

**PIP Buttons** access the PIP functions (pages 28–29):

- **PIP** turns the PIP on and off
- **PIP CH ▲▼** selects the PIP channel
- **STILL** freezes the PIP picture
- **SWAP** switches the main and PIP pictures
- **LOCATE** changes the position of the PIP picture
- **SOURCE** selects the PIP signal input source



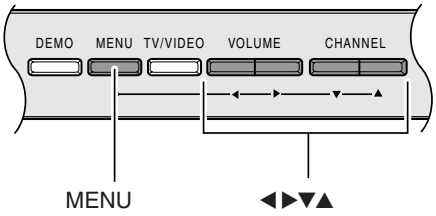
# Setting up your TV

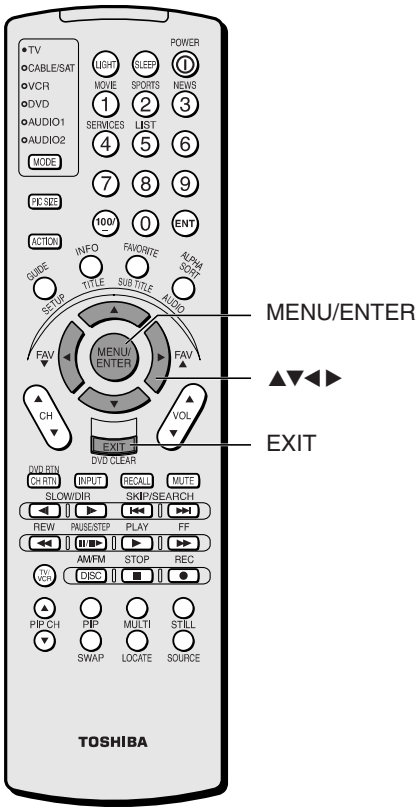
## Learning about the menu system

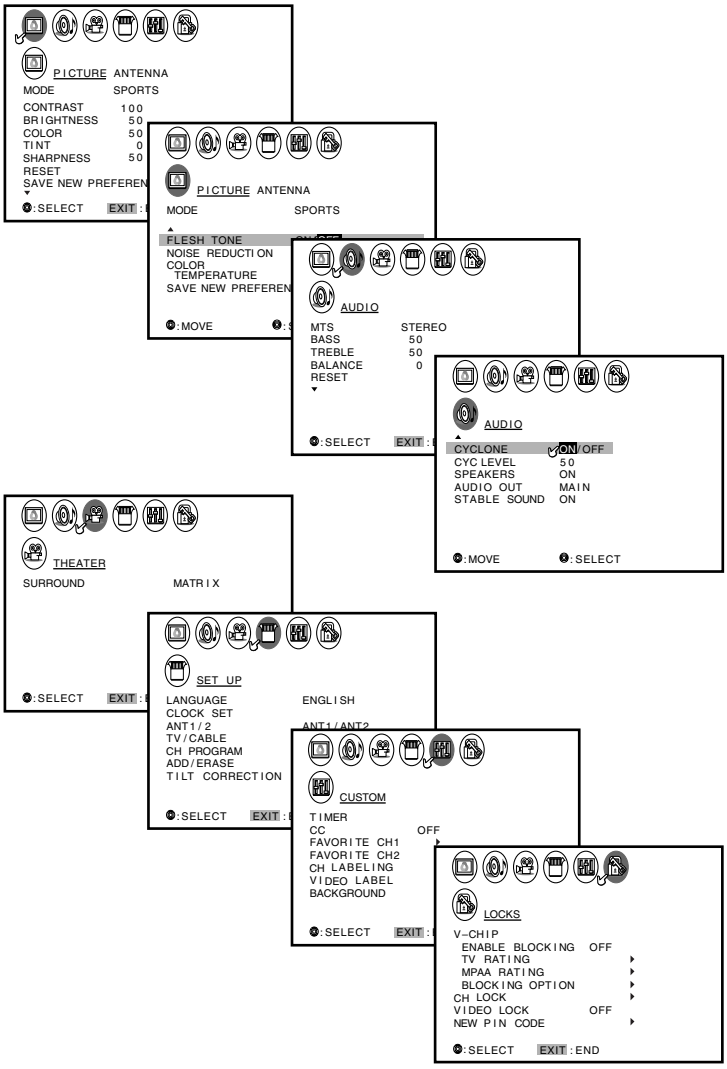
After you have installed the batteries and programmed the remote control, you will need to set some preferences on the TV using the menu system. You can access the menus using the buttons on your TV or remote control.

- Press MENU to display the menu system.
- Press ◀ or ▶ to select a menu.
- Press ▲ or ▼ to select an item.
- Press ◀ or ▶ to select or adjust a setting.
- If you do not make a selection within 15 seconds, the main menus close automatically (6 seconds for the other menus).
- To close an on-screen display instantly, press EXIT.

  All menu adjustments are saved automatically, whether you press EXIT to close the display or not.




***Note:***

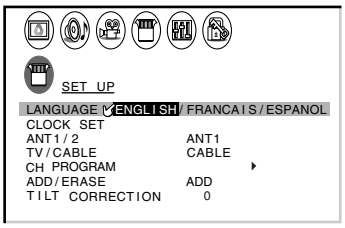
- *You can change the background of the menu. See page 46 for details.*

## Changing the on-screen display language

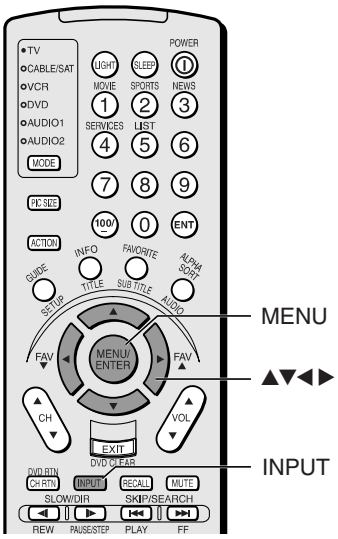
You can choose from three different languages (English, French and Spanish) for the on-screen display of adjustment menus and messages.

To select an on-screen display language:

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
2. Press ▲ or ▼ to highlight LANGUAGE.




3. Press ◀ or ▶ to highlight your desired language.

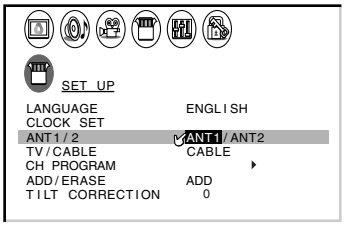



## Selecting the antenna input

You can connect to two different antenna signal sources (ANT 1 or ANT 2).

To select the antenna input using the menu system:

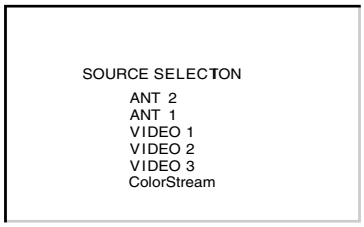
1. Press MENU, and then press ◀ or ▶ to highlight the SET UP menu.
2. Press ▲ or ▼ to highlight ANT 1/2.

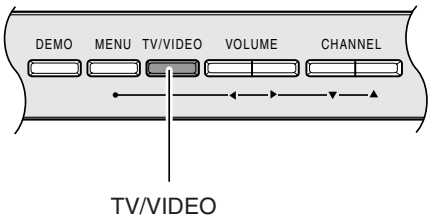



3. Press ◀ or ▶ to highlight either ANT 1 or ANT 2, depending on the antenna terminal you wish to use.

### Using the TV/VIDEO button to select the antenna input

Repeatedly press the TV/VIDEO button on the TV to select the antenna input. The current signal source displays in purple.



## Adding channels to the TV's memory

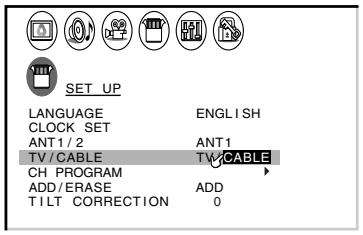
When you press Channel ▲ or ▼, your TV will stop only on the specific channels stored in the TV's channel memory. Follow the steps below and on the next page to program channels into the TV's memory.

### Programming channels automatically

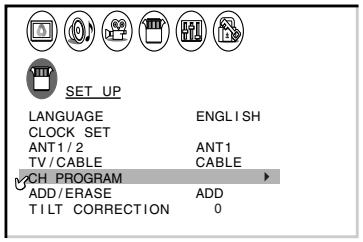
Your TV can automatically detect all active channels in your area and store them in its memory. After the channels are stored automatically, you can manually add or erase individual channels. If you use both ANT-1 and ANT-2 input sources, you must program channels for each.

To program channels automatically:

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
2. Press ▲ or ▼ until TV/CABLE is highlighted.
3. Press ◀ or ▶ to highlight either TV or CABLE, depending on which you use. If you use an antenna, highlight TV. If you use cable, highlight CABLE.

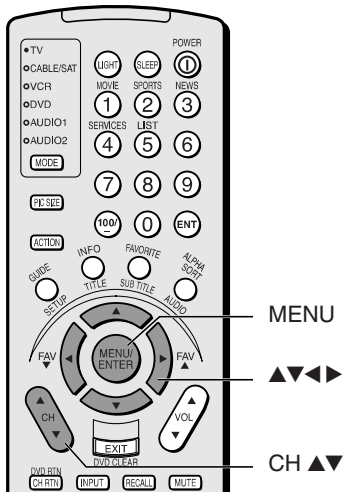



4. Press ▼ to highlight CH PROGRAM.




5. Press ◀ or ▶ to start channel programming. The TV will automatically cycle through all the TV or cable channels (depending on which you selected), and store all active channels in the channel memory.

   While the TV is cycling through the channels, the message "Programming Now—Please Wait" appears.
6. When channel programming is complete, the message "Completed" appears.
7. Press CH ▲ or ▼ to view the programmed channels.

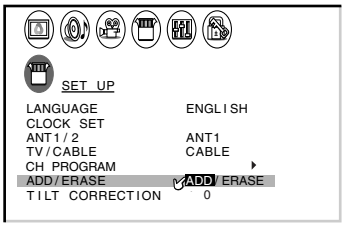


### Adding and erasing channels manually

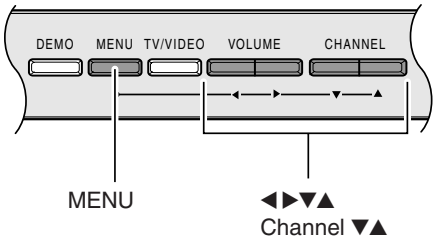
After you have programmed the channels automatically, you can manually add or erase specific channels.

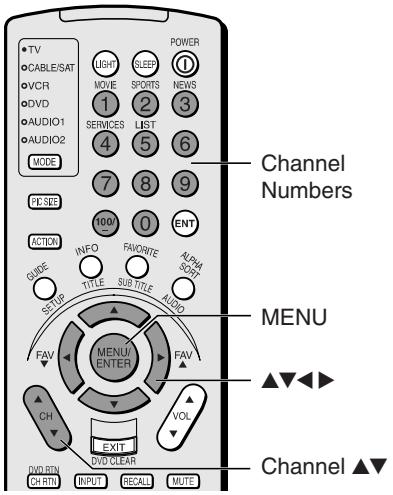
To manually add or erase channels:

1. Select the channel you want to add or erase. If you are adding a channel, you must select the channel using the Channel Number buttons.
2. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
3. Press ▲ or ▼ to highlight ADD/ERASE.




4. Press ◀ or ▶ to select ADD or ERASE, depending on the function you want to perform.
5. Repeat steps 1–4 for other channels you want to add or erase.



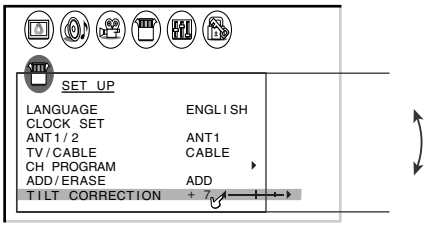




## Adjusting the tilt correction feature

When you install the TV or change the direction of the TV, the picture may become tilted because of the earth's magnetic field. If this happens, make the following adjustment.

To adjust the tilt correction:

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
2. Press ▲ or ▼ to highlight TILT CORRECTION.
3. Press ◀ or ▶ to correct the picture tilt between +10 and –10.




## Changing channels

To change to the next programmed channel:

Press Channel ▲ or ▼ on the TV or remote control.

To change to a specific channel (programmed or unprogrammed):

Press the Channel Number buttons (0–9 and 100).

For channels 100 and higher, press the 100 button and then the next two numbers. For example, to select channel 125, press 100–2–5.

# Using the TV's features

## Adjusting the channel settings

### Switching between two channels

You can switch between two channels without entering an actual channel number each time.

To switch between two channels:

1. Select the first channel you want to view.
2. Select a second channel with the Channel Number buttons (0–9, 100).
3. Press CH RTN. The previous channel will be displayed.

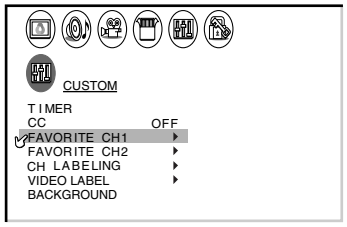
Each time you press CH RTN, the TV will switch back and forth between the two channels.

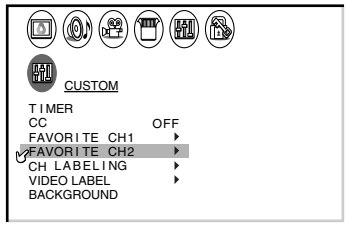
### Programming your favorite channels

You can preset up to 9 of your favorite channels each for FAVORITE CH 1 and FAVORITE CH 2 modes using the Favorite Channel Programming feature. Because this feature scans through only your favorite channels, it allows you to skip other channels you do not normally watch.

To program your favorite channels:

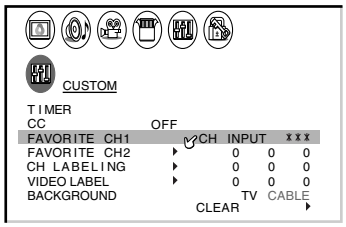
1. Press MENU, then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight FAVORITE CH1 or FAVORITE CH2.




3. Press ◀ or ▶ to display the FAVORITE CH1 menu, for example.

   CH INPUT will be highlighted.



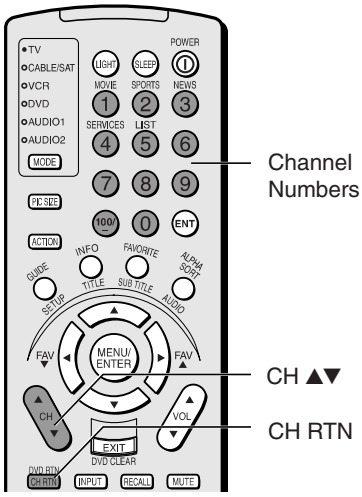

4. Press the Channel Number buttons to enter one of your favorite channels.
5. Press ENTER.
6. Repeat steps 4 and 5 for other channels.

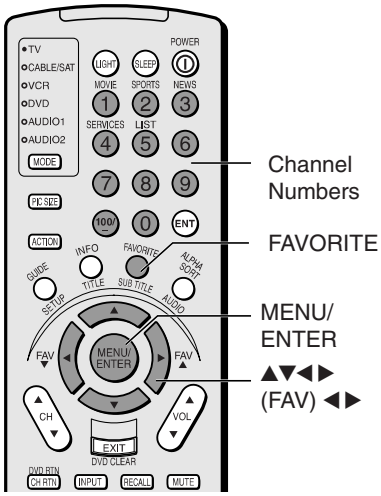
To select your favorite channels:

Press (FAV) ◀ or ▶.

To quickly scan your favorite channels in a 9-picture multi-window:

Press FAVORITE (see page 30 for details).



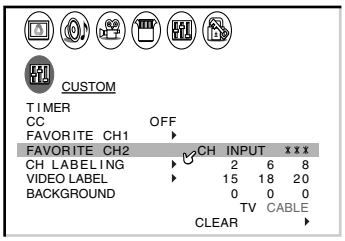

***Note:***

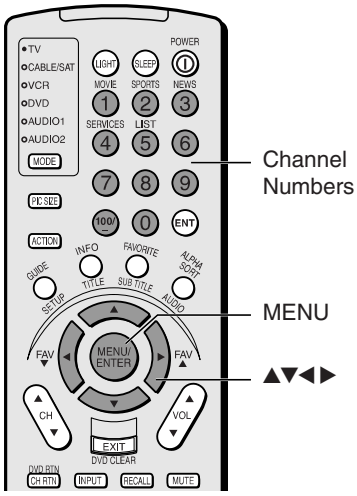
- *The (FAV) ◀▶ buttons will operate as the menu ◀▶ buttons while the menu display is on the screen.*
- *The favorite channel feature is not available in ANT2 mode.*

To clear your favorite channels:

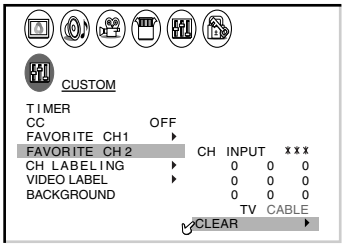
***Note:*** *This clears all favorite channels at once. You cannot clear individual channels.*

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight FAVORITE CH2, for example.
3. Press ◀ or ▶ to display the FAVORITE CH2 menu.




4. Press ▲ or ▼ to highlight CLEAR, and then press ▶ or ◀ until "0" replaces the channel numbers you have programmed.

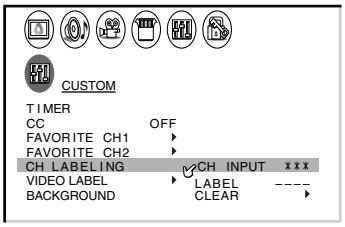



## Labeling channels

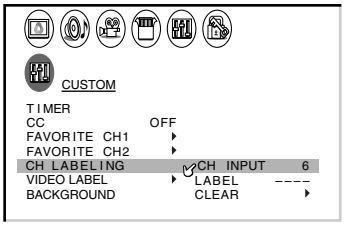
Channel labels appear above the on-screen channel number display each time you turn on the TV, select a channel, or press the RECALL button. You can choose any four characters to identify the channels.

To create channel labels:

1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight CH LABELING.
3. Press ◀ or ▶ to display the CH LABELING menu.
   CH INPUT will be highlighted.

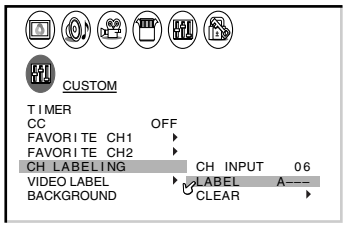



4. Press the Channel Number buttons to select the channel you want to label.




5. Press ▼ to highlight LABEL.

6. Repeatedly press ◀ or ▶ to select a character for the first space, and then press ENTER.

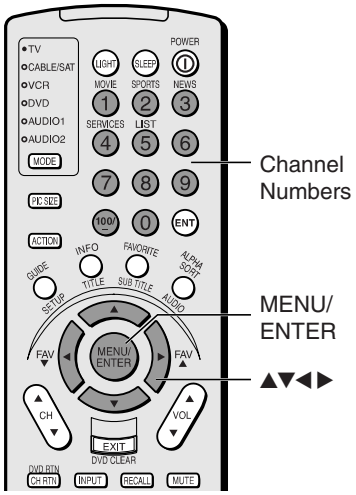



7. Repeat step 6 to enter the rest of the characters.

   If you would like a blank space in the label name, you must choose an empty space from the list of characters. Otherwise, a dash "–" will appear in that space.

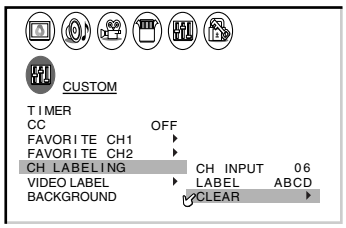
   You must assign a character to all four spaces in the label name or the label will not be assigned.

8. Repeat steps 4 through 6 for other channels. You can assign labels to a maximum of 32 channels.




To erase channel labels:

1. Press MENU, then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight CH LABELING.
3. Press ◀ or ▶ to display the CH LABELING menu.
4. Press ▼ to highlight CH INPUT, and then select the channel you want to clear with the Channel Number buttons.
5. Press ▼ to highlight CLEAR.



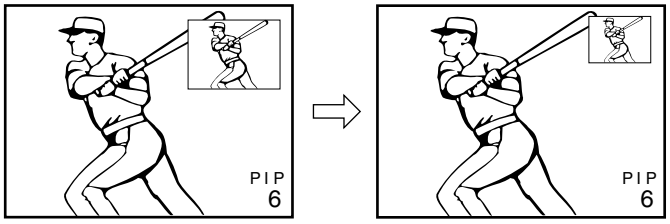

6. Press ◀ or ▶ to erase the channel label.
7. Repeat steps 4–6 to erase other channel labels.

## Watching picture-in-picture (PIP)

The picture-in-picture (PIP) feature allows you to watch two pictures at the same time. The smaller picture can come from a TV broadcast or an external source, such as a VCR.

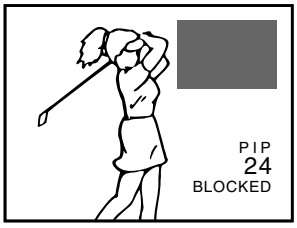
To display a TV broadcast as a small picture:

1. Turn on the TV and select the program you want to watch.
2. Press PIP once to display a small picture. A window 1/9 the size of the screen will appear. Press PIP a second time to display a 1/16-size window.



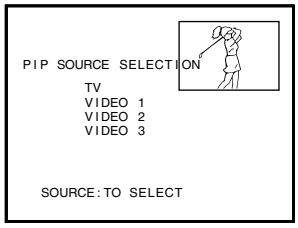

3. Press PIP CH ▲▼ to choose the program you want to be displayed as a small picture.

   If the V-CHIP feature is active and you try to watch a TV program that exceeds the rating limits you set, the TV will enter into the program block mode. See "Using the V-CHIP menu" on page 32.



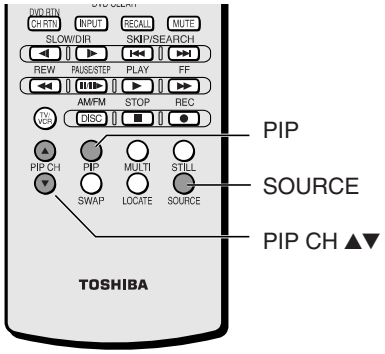

To display a picture from an external source as a small picture:

1. Make sure you have connected the external source equipment properly. For more information, see "Connecting your TV" on page 7.
2. Turn on the TV and select the program you want to watch.
3. Press PIP once to display a small picture. A window 1/9 the size of the screen will appear. Press PIP a second time to display a 1/16-size window.
4. Repeatedly press SOURCE to select the input source (VIDEO 1, VIDEO 2, or VIDEO 3) for the small picture. The selected source will be displayed in purple. ColorStream cannot be selected.
5. You can play a tape as the small picture or select a channel for the small picture using the VCR's channel button.




To turn PIP off:

Press PIP once or twice, depending on the size of the small picture screen you selected.




***Note:***

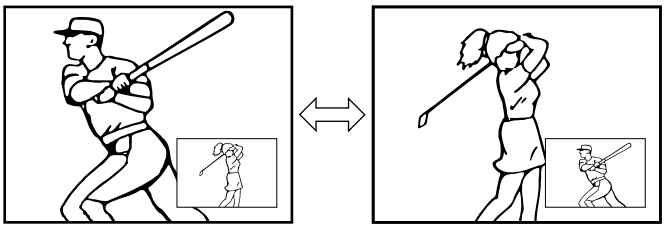
- *PIP cannot be turned on when the ColorStream input is being viewed.*
- *You cannot display the signal sources input through the ANT-2 terminal as a small picture.*
- *You can choose to hear the sound of either the main or PIP picture (see "Selecting the audio out sound" on page 45).*

**NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE**

Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images can become permanently engrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY because it is the result of misuse.** See item 32 on page 4.

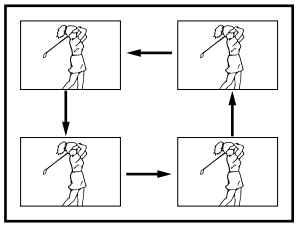
### Switching the main and small pictures

Press SWAP while you are using the PIP feature to switch the main and small pictures. The main and small pictures will switch each time you press the SWAP button.



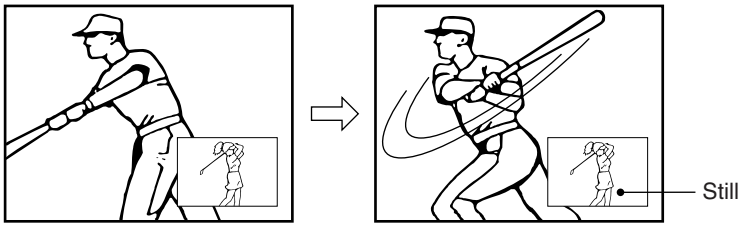
### Changing the position of the small picture

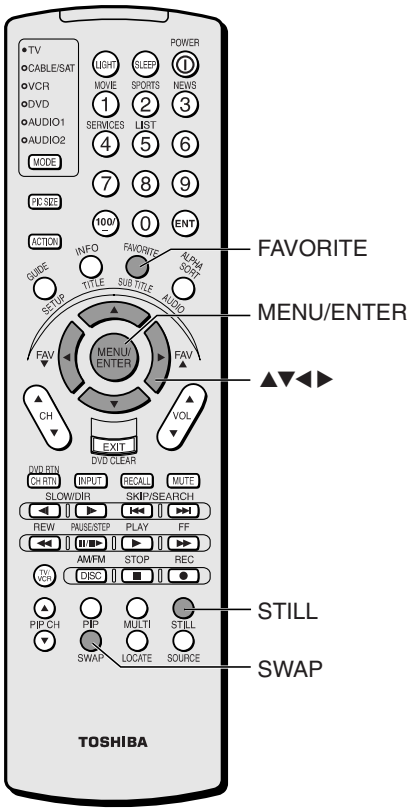
Press LOCATE repeatedly while you are watching a small picture. The display position of the small picture will change in the following order:



### Freezing the small picture

Press STILL while you are watching a small picture. The small picture will become a still picture. To return to the moving picture, press STILL again.




**NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE**

Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images can become permanently engrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY because it is the result of misuse.** See item 32 on page 4.

## Using the Multi-Window feature

The Multi-Window feature provides the following functions:

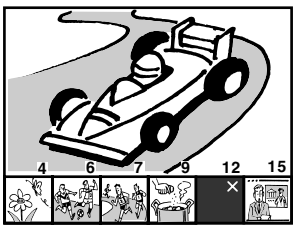
- The INFO (channel preview) function is a 6-picture multi-window scan of the channels you programmed into the TV's memory using the CH PROGRAM function (page 23).
- The FAVORITE function is a 9-picture multi-window scan of the favorite channels you programmed into the TV's memory using the FAVORITE CH function (page 25).
- The MULTI function strobes the current program in a 9-picture multi-window. This feature is convenient when watching a quickly moving picture such as a sports program.

*(Continued on next page)*

*(Continued from previous page)*

## Using the INFO (channel preview) function

Press INFO to scan the channels you previously programmed into the TV's memory (see "Adding channels to the TV's memory" on page 23). A 6-picture multi-window scan will start.



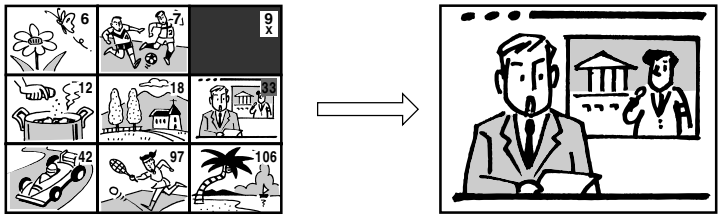

To cancel the channel preview function:

Press INFO again.

## Using the FAVORITE function

1. Press FAVORITE to scan the favorite channels you previously programmed into the TV's memory (see "Programming your favorite channels" on page 25).

   A 9-picture multi-window scan of your favorite channels will start. The first window will display as a moving picture.
2. Press ▲▼◀▶ to select the channel you want to watch. The selected channel will display as a moving picture in the 9-picture multi-window.
3. Press ENTER to display the channel you selected in step 2 as a normal picture.




Each time you press FAVORITE, the display will change in the following order:

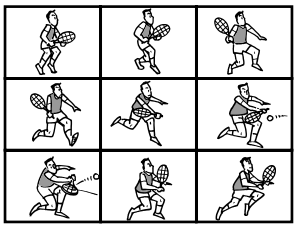
FAVORITE CH1— FAVORITE CH2 — Off

To cancel the favorite function:

Press FAVORITE again.

## Using the MULTI (strobe) function

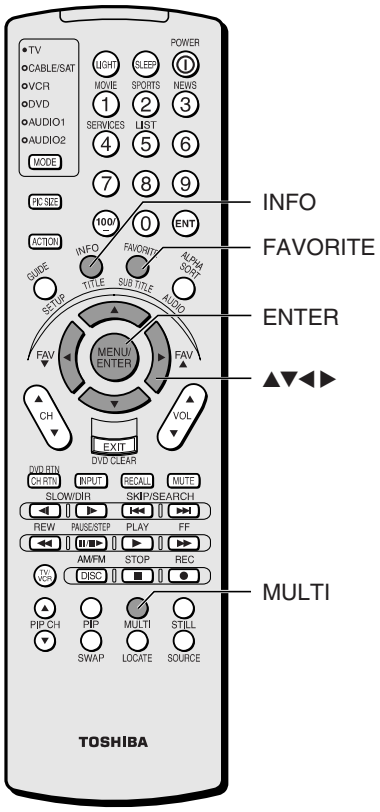
Press MULTI to start the strobe function. A 9-picture multi-window strobe starts for the current main picture.



For example, you can strobe the action of the TV program you are watching, or view a decisive moment of a sports program that was previously recorded.

To cancel the strobe function:

Press MULTI again.




***Note:***

- *A program or channel you set up as blocked in the Locks menu may not always display as blocked during INFO (channel preview) or FAVORITE multi-window scanning. When blocked properly, the program will appear as a black window with an "X" under the channel number.*
- *The INFO (channel preview) function does not work when ANT 2 mode is selected.*
- *The INFO (channel preview), FAVORITE, and MULTI (strobe) functions do not work when the main picture source is ColorStream.*

**NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE**

Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images can become permanently engrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY because it is the result of misuse.** See item 32 on page 4.

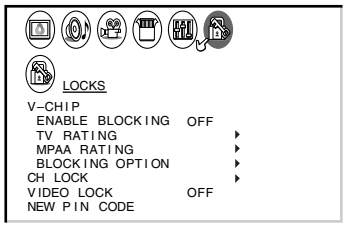
## Using the LOCKS menu

The LOCKS menu includes the V-Chip, CH Lock, Video Lock, and New PIN Code functions. You can use these functions after entering the correct PIN code.

***Note:***
*The V-Chip function is only available for the U.S. V-Chip system. The Canadian V-Chip system (Puce-V) is not supported.*

### Entering the PIN code

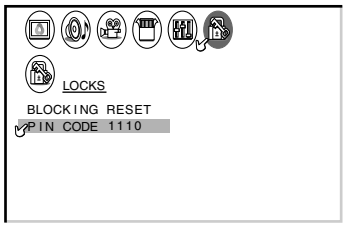
1. Press MENU, and then press ◀ or ▶ until the LOCKS menu appears.




2. Press ▲ or ▼ to display the PIN code entering mode:

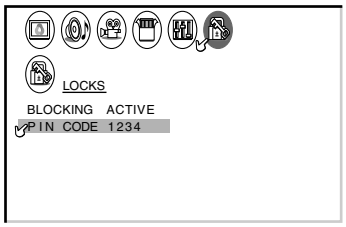
- BLOCKING RESET status:

  Press the Channel Number buttons (0–9) to store a new 4-digit PIN code, and then press ENTER.



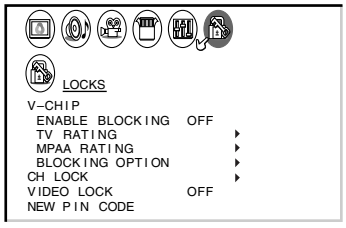

- BLOCKING ACTIVE status (when the PIN code is already stored):

  Press the Channel Number buttons (0–9) to enter the 4-digit PIN code you previously stored, and then press ENTER.




  If the wrong PIN code is entered, the message “Incorrect” will appear. Enter the code again.

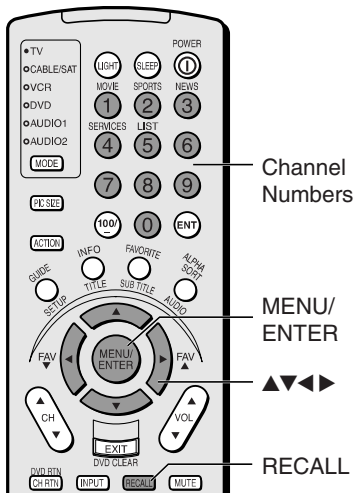
3. When the PIN code is entered, the LOCKS menu opens.




Continue to set each item following the steps on the next page.

### If you cannot remember your PIN code

While the PIN code entering screen is displayed, press RECALL four times within 5 seconds. The PIN code you stored will be released (returned to BLOCKING RESET status).



## Using the V-CHIP menu

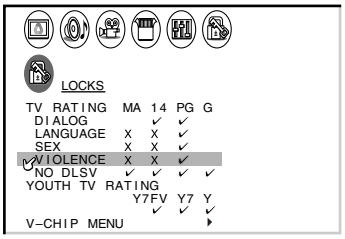
Some TV programs and movies include signals that classify the content of the program (violence, sex, dialog, language). The V-CHIP control feature in this TV detects the signals and blocks the programs according to your selections. To use this feature, perform the following setup.

### ENABLE BLOCKING

1. From the LOCKS menu, select ENABLE BLOCKING.
2. Press ◀ or ▶ to select ON or OFF.
   ON : To enable your setting (Lock)
   OFF: To release your setting (Unlock)
   ***Note:*** *The CH LOCK function is not affected by this selection.*

### TV RATING (Independent rating system for broadcasters)

1. From the LOCKS menu, select TV RATING.
2. Press ◀ or ▶ to display the TV RATING menu.
3. Press ▼ or ▲ to select item.
4. Press ▶ to lock (displays "X")
   Press ◀ to unlock (displays "✓")
5. Repeat steps 3 and 4 to set the next item.

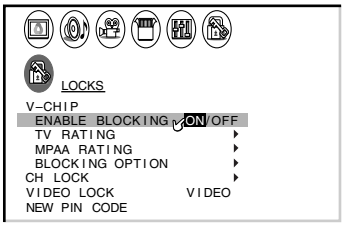



The TV age-based ratings and content themes you can lock are listed in the table below.

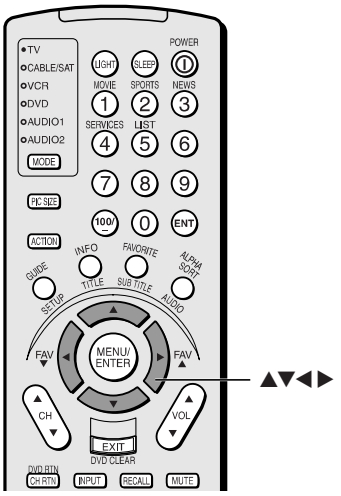
| Ratings | Description and Content themes |
|---|---|
| MA | Mature Audience Only (This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.) **L) Crude or indecent language S) Explicit sexual activity V) Graphic violence** |
| 14 | Parents Strongly Cautioned (This program contains some material that many parents would find unsuitable for children under 14 years of age.) **D) Intensely suggestive dialog L) Strong, coarse language S) Intense sexual situations V) Intense violence** |
| PG | Parental Guidance Suggested (This program contains material that parents may find unsuitable for younger children.) **D) Some suggestive dialog L) Infrequent coarse language S) Some sexual situations V) Moderate violence** |
| G | General Audience (Most parents would find this program suitable for all ages.) |
| Y7, Y7FV | Directed to Older Children (This program is designed for children age 7 and above. Note: Programs in which fantasy violence may be more intense or more combative than other programs in this category are designated Y7FV.) |
| Y | All Children (This program is designed to be appropriate for all children) |

***Note:***
*The V-Chip function is only available for the U.S. V-Chip system. The Canadian V-Chip system (Puce-V) is not supported.*

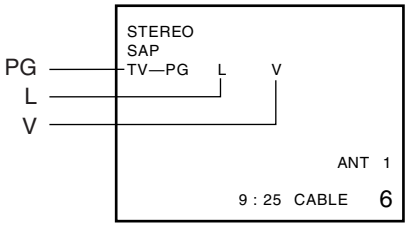
LOCKS menu




To select each item:
Press ▼ or ▲.

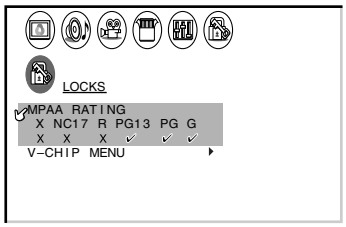



Press RECALL to display the rating of the TV program you are currently watching.



## MPAA RATING (Independent rating system for movies)

1. From the LOCKS menu, select MPAA RATING.
2. Press ◀ or ▶ to display the MPAA RATING menu, and then press ▼ or ▲ to highlight MPAA RATING.
3. Press ▶ to lock ("X") or ◀ to unlock ("✓").




The movie ratings you can lock are described as follows:

X : X-rated (For adults only)

NC17 : Not intended for anyone 17 and under

R : Restricted (Under 17 requires accompanying parent or adult guardian.)

PG13 : Parents Strongly Cautioned (Some material may be inappropriate for children under 13)

PG : Parental Guidance Suggested (Some material may not be suitable for children)

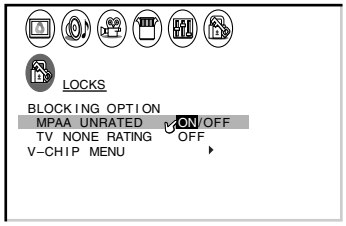
G : General Audience (Appropriate for all ages)

## BLOCKING OPTION

1. From the LOCKS menu, select BLOCKING OPTION.
2. Press ◀ or ▶ to display the BLOCKING OPTION menu, and then press ▲ or ▼ to select the item.

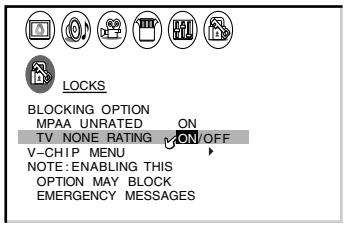
MPAA UNRATED:

Press ◀ or ▶ to select ON (Lock) or OFF (Unlock) for unrated programs on MPAA rating system.




TV NONE RATING:

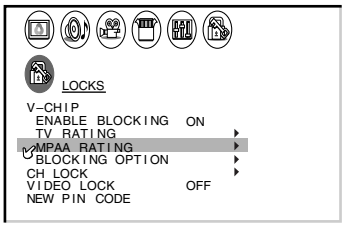
Press ◀ or ▶ to select ON (lock) or OFF (unlock) for programs rated NONE in the TV PARENTAL GUIDELINES.




V-CHIP MENU:

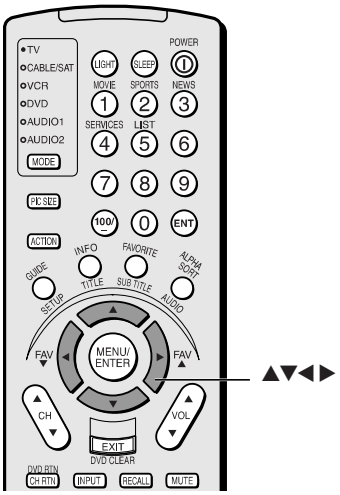
Press ◀ or ▶ to return to the LOCKS menu.

LOCKS menu




To select each item:

Press ▼ or ▲ .




***Caution:***

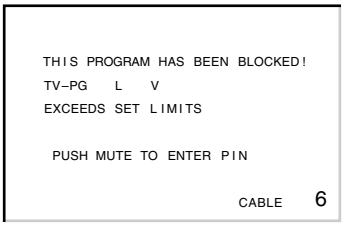
*Be aware that setting the TV None Rating to ON may block your reception of emergency information. The menu will display the note, "Enabling this option may block emergency messages" to warn you of this possibility.*

***Note:***

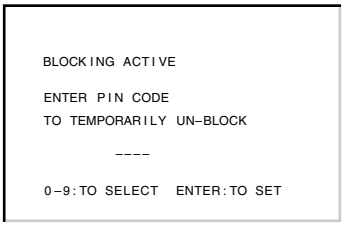
*The picture-in-picture (PIP) will not be locked even if the TV None Rating is set to ON (locked).*

### Unlocking programs temporarily

1. If you try to watch a TV program that exceeds the rating limits you set, the TV will enter into the program lock mode.




2. If you want to watch the locked program temporarily, press MUTE.
3. Press the Channel Number buttons (0–9) to enter the 4-digit PIN code you stored (see "Entering the PIN code" on page 31).

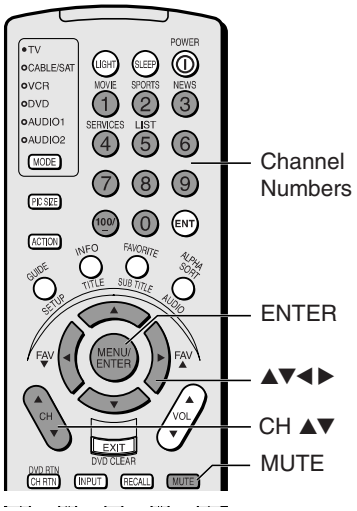



4. Press ENTER.

   If the number is correct, the lock mode will be released and the normal picture will appear.

   All locking is disabled until the TV is turned off, and will be enabled when the TV is turned on again.

   If a wrong PIN code is entered, the message "Incorrect PIN code" appears. Enter the code again.




## Locking channels

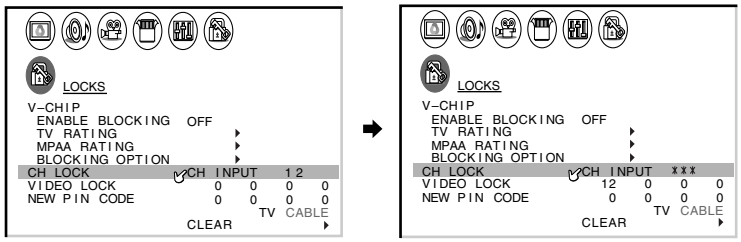
With the CH LOCK feature, you can lock specific channels. You will not be able to tune locked channels with the Channel ▲▼ buttons or Channel Number buttons unless you clear the setting.

You can lock a maximum of eight channels.

**Note:** *The CH LOCK feature is independent of the ENABLE BLOCKING option of V-Chip control (page 32).*

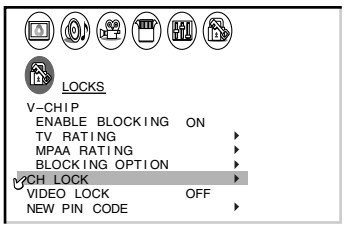
To lock channels:

1. From the LOCKS menu, select CH LOCK.
2. Press ◀ or ▶ to display the CH LOCK menu.
3. Press the Channel Number buttons to enter the channel you want to lock. (The channel you are currently watching cannot be locked.)
4. Press ENTER.




5. Repeat steps 3 and 4 for other channels.

LOCKS menu



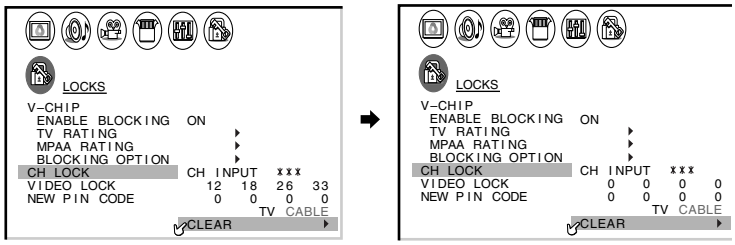

To select each item:

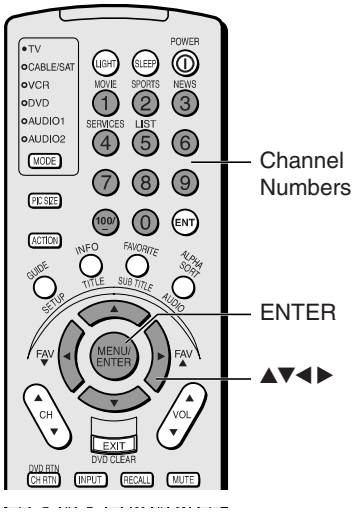
Press ▼ or ▲ .

To unlock channels:

**Note:** *This unlocks all locked channels at once. You cannot unlock individual channels.*

1. From the LOCKS menu, select CH LOCK.
2. Press ◀ or ▶ to display the CH LOCK menu.
3. Press ▲ or ▼ to highlight CLEAR.
4. Press ◀ or ▶ until "0" replaces the channel numbers you have locked. Note: This clears all locked channels at once. You cannot unlock individual channels.




## Locking video inputs

You can use the VIDEO LOCK feature to lock the input sources (Video 1, Video 2, Video 3, ColorStream) and channels 3 and 4. You will not be able to select the input sources using the TV/VIDEO button or Channel Number buttons unless you clear the setting.

***Note:*** *The Video Lock feature is independent of the ENABLE BLOCKING option of V-Chip control (page 32).*

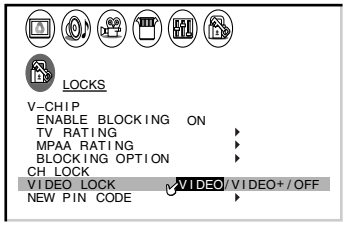
To set up the video lock:

1. From the LOCKS menu, select VIDEO LOCK.
2. Press ◀ or ▶ to highlight the level of video locking you want, as follows:

   VIDEO : Locks Video 1, Video 2, Video 3, and ColorStream.

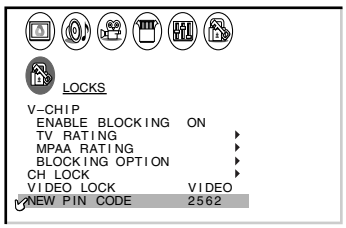
   VIDEO+ : Locks Video 1, Video 2, Video 3, ColorStream, and channels 3 and 4. This option should be used if you use the antenna terminal to play videotapes.
   ***Note:*** *Make sure the PIP is not on channel 3 or 4.*

   OFF : Unlocks all video input sources.




## Changing the PIN code

1. From the LOCKS menu, select NEW PIN CODE.
2. Press the Number buttons (0–9) to enter a 4-digit code. The numbers you enter will replace the dashes in the display.




3. Press ENTER. The new PIN code is now active.

# Adjusting the picture

## Selecting the picture mode

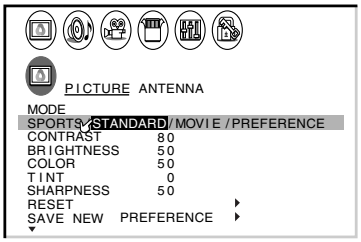
You can select your desired picture type from four preset picture modes: Sports, Standard, Movie, and Preference.

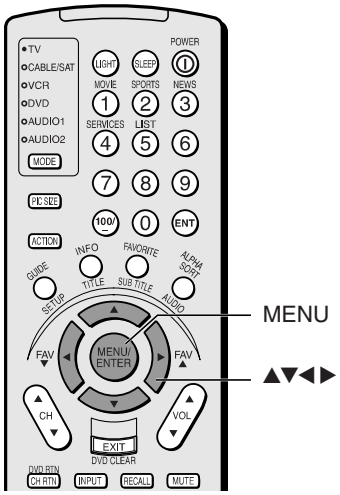
| Mode | Picture Quality |
|---|---|
| Sports | Bright and dynamic picture (factory setting) |
| Standard | Standard picture setting (factory setting) |
| Movie | Movie-like picture setting (factory setting) |
| Preference | Your personal preference* |

*(see "Saving your new preferences" on page 37.)

To select the picture mode:

1. Press MENU, then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▼ or ▲ to select MODE.
3. Press ◀ or ▶ to highlight the mode you prefer.



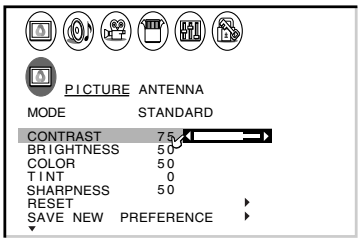

## Adjusting the picture quality

You can adjust the picture quality to your personal preferences, including the contrast, brightness, color, tint, sharpness, flesh tone, noise reduction, and color temperature.

| Selection | ◀ Pressing ▶ | |
|---|---|---|
| Contrast | lower | higher |
| Brightness | darker | lighter |
| Color | paler | deeper |
| Tint | reddish | greenish |
| Sharpness | softer | sharper |

To adjust the picture quality:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▼ or ▲ until the item you want to adjust is highlighted.
3. Press ◀ or ▶ to adjust the level.




The PICTURE qualities you have adjusted can be saved in the TV's memory with the Save New Preference feature (see page 37). You can keep these settings or choose factory set options as described under "Selecting the picture mode" above.

***Note:***

*If you select one of the factory-set picture modes (Sports, Standard, or Movie) and then change a picture quality setting (for example, increase the contrast), the picture mode automatically changes to Preference in the Picture menu.*

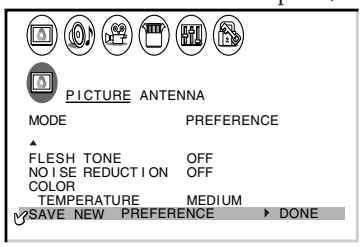
*To save your new picture quality settings, you must select "Save New Preference" before closing the Picture menu or the TV will return to the previous picture mode.*

## Saving your new preferences

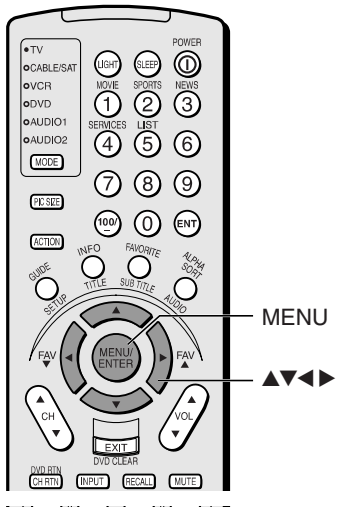
You can save the PICTURE qualities you adjusted (contrast, brightness, color, tint, and sharpness) in the PICTURE menu PREFERENCE mode.

To save your new preferences:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight SAVE NEW PREFERENCE.
3. Press ◀ or ▶. When complete, the menu displays "DONE."




You can choose your saved preferences by selecting PREFERENCE in the picture mode feature (see "Selecting the picture mode" on page 36).

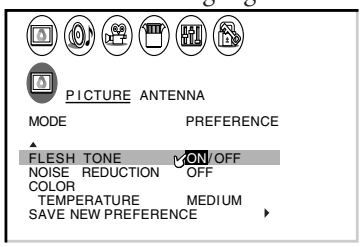



## Using the flesh tone feature

This feature allows you to obtain natural flesh tones by correcting the differences in tint among TV stations.

To turn on the flesh tone feature:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight FLESH TONE.
3. Press ◀ or ▶ to highlight ON.




To turn off the flesh tone feature:

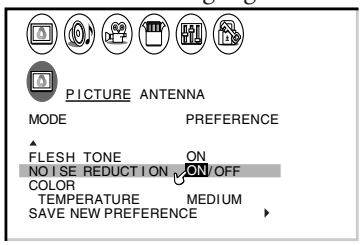
Highlight OFF in step 3 above.

## Using the noise reduction feature

This feature allows you to reduce visible interference in your TV picture. This is useful when receiving a broadcast with a weak signal or playing a videotape or disc damaged by repeated use.

To turn on the noise reduction feature:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight NOISE REDUCTION.
3. Press ◀ or ▶ to highlight ON.




To turn off the noise reduction feature:

Highlight OFF in step 3 above.

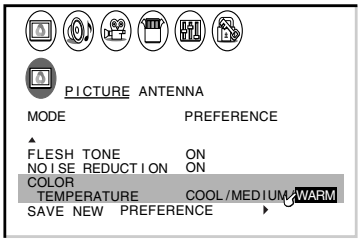
## Selecting the color temperature

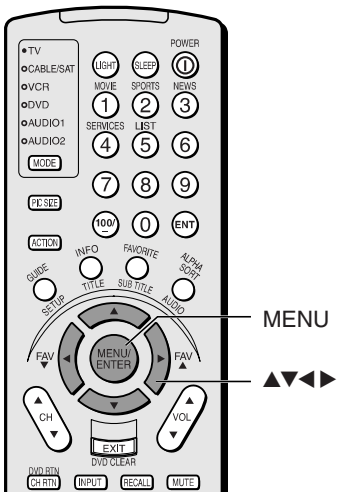
You can change the quality of the picture by selecting from three preset color temperatures: cool, medium, and warm.

| Mode | Picture Quality |
|---|---|
| Cool | Blueish |
| Medium | Neutral |
| Warm | Reddish |

To select the color temperature:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight COLOR TEMPERATURE.
3. Press ◀ or ▶ to highlight the mode you prefer.



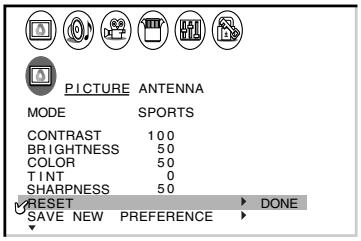

## Resetting your picture adjustments

The RESET function returns the picture qualities to the following factory settings:

Contrast ..... max (100)
Brightness ..... center (50)
Color ..... center (50)
Tint ..... center (0)
Sharpness ..... center (50)
Color temperature ..... cool
Noise reduction ..... off
Picture mode ..... sports

To reset your picture adjustments:

1. Press MENU, and then press ◀ or ▶ until the PICTURE menu appears.
2. Press ▲ or ▼ to highlight RESET.
3. Press ◀ or ▶. The menu displays "DONE."

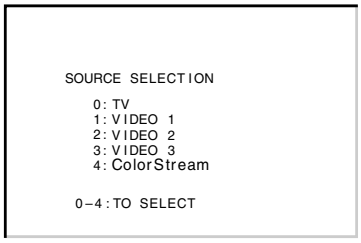



***Note:***

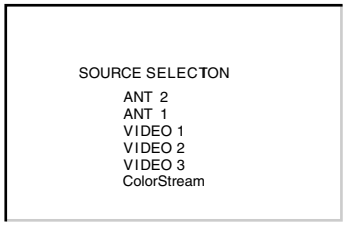
*If you press RESET on the remote control (instead of selecting it in the menu), you will reset both your picture and your audio adjustments to their factory settings.*

## Watching video input

You can use the INPUT button on the remote control or the TV/VIDEO button on the TV to view a signal coming from other devices connected to your TV, such as VCRs or video disc players. Select VIDEO 1, VIDEO 2, VIDEO 3, or ColorStream, depending on which input jacks are used for connecting the devices (see "Connecting your TV" on page 7).



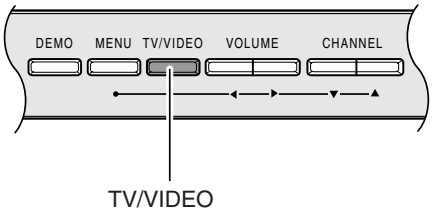

*Pressing INPUT on the remote control displays the currrent signal source (to change the source, select 0–4).*




*Pressing TV/VIDEO on the TV changes the current signal source.*

***Note:***

- *When ColorStream is selected, the video OUT terminal does not output a signal.*
- *To receive a video OUT signal, a video or S-video IN jack must be used instead of the ColorStream connections.*
- *While the PIP is on the screen, if ColorStream is selected, the PIP will close.*



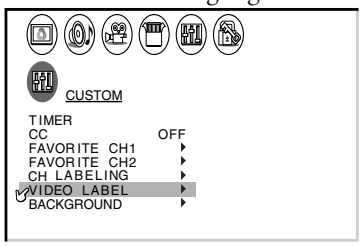

## Labeling the video input sources

The Video Label feature allows you to label each video input source for your TV from the following list of preset labels:

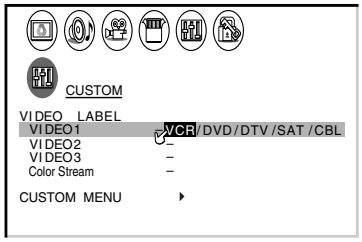
– : Uses the default label name
VCR : Video cassette recorder
DVD : Digital video disc player
DTV : Digital TV set-top box
SAT : Satellite box
CBL : Cable box

To label the video input sources:

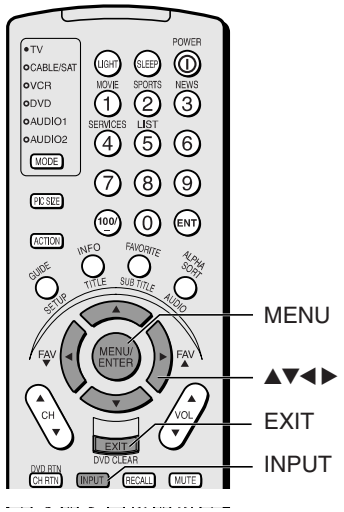
1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight VIDEO LABEL.




3. Press ◀ or ▶ to display the VIDEO LABEL menu.
4. Press ▲ or ▼ to highlight the video source you want to label.
5. Press ◀ or ▶ to select the appropriate label for that input source.




6. Finish labeling the other video sources as desired. To return to the previous menu, press ▲ or ▼ to highlight CUSTOM MENU, and then press ◀ or ▶.
7. To exit the menu, press EXIT.



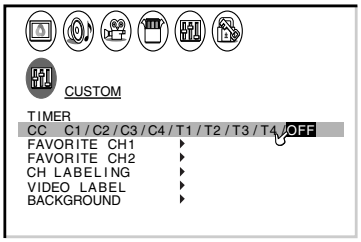
## Using the closed caption feature

The closed caption feature has two options:

- Captions—An on-screen display of the dialogue, narration, and sound effects of programs and videos that are closed-captioned (usually identified as "CC" in program guides).
- Text—An on-screen display of information not related to the program, such as weather or stock data (when provided by individual stations).

To view captions or text:

1. Tune the TV to the desired program or video.
2. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
3. Press ▼ or ▲ to highlight CC.



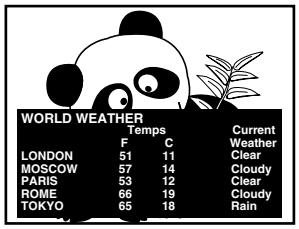

4. Press ◀ or ▶ to highlight the preferred closed caption mode:

- To view captions, highlight C1, C2, C3, or C4 (C1 displays the primary language in your area).

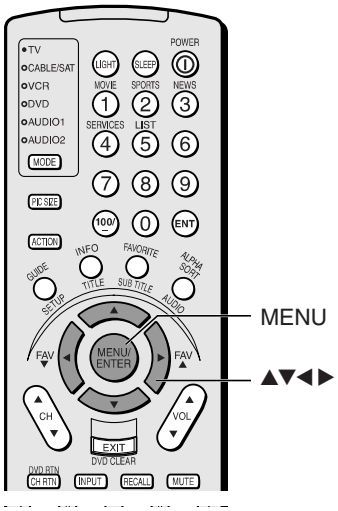
  ***Note:*** *If the program or video you selected is not closed-captioned, no captions will display on-screen.*

- To view text, highlight T1, T2, T3, or T4.

  ***Note:*** *If text is not available, a black rectangle may appear on your screen. If this happens, turn the Closed Caption feature off.*




To turn the closed-caption feature off, highlight OFF in the Closed Caption menu.




***Note:***

*A closed caption signal may not display correctly in the following situations:*

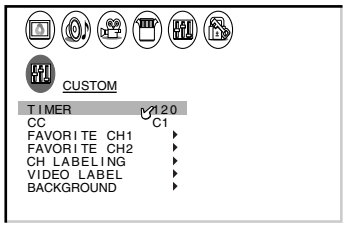
- *When a videotape has been dubbed*
- *When the signal reception is weak*
- *When the signal reception is nonstandard*

## Setting the sleep timer

To set the sleep timer to turn the TV off automatically:

1. Press SLEEP (or MENU and ▲▼) to display the CUSTOM menu. TIMER will be highlighted.
2. After the number position starts to blink, press SLEEP repeatedly to enter the length of time until the TV turns off automatically (in 10-minute increments to a maximum of 180).

   The SLEEP button can also be used to increment the time interval of 10 minutes up to 180 minutes.
3. Press ENTER to start the timer.

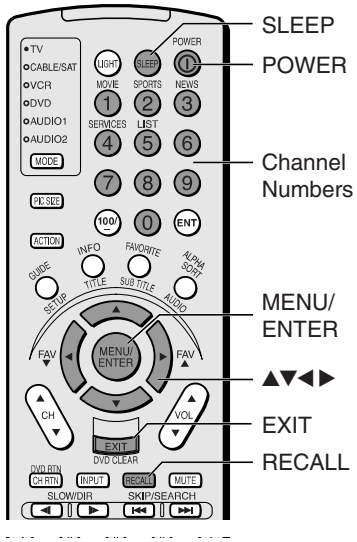



To cancel the sleep timer:

Set the sleep timer to 0 in step 2 above or turn off the TV.

***Note :***

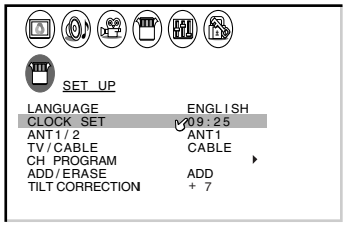
*To display the amount of time remaining until the TV turns off automatically, press SLEEP once. To clear the display, press EXIT.*




## Setting the clock

To set the clock:

1. Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
2. Press ▲ or ▼ to highlight CLOCK SET.
3. After the number position starts to blink, press the Channel Number buttons (0–9) to enter the correct time. The clock operates on a 12-hour cycle.
4. Press ENTER to start the clock.




To display the time on-screen:

Press RECALL.

***Note:***

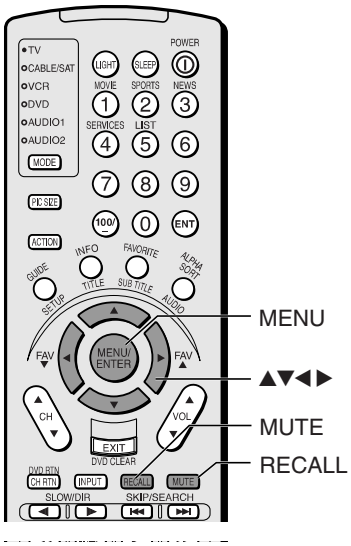
*If the power source for the TV is interrupted (for example, the power cord is unplugged or a power failure occurs), you will need to reset the clock.*

# Adjusting the sound

## Muting the sound

Press MUTE to temporarily turn off the sound. While the sound is off, the screen will display the word MUTE in the lower right corner. To restore the sound, press MUTE again.

When you press the MUTE button, the Closed Caption feature is automatically activated. To deactivate this feature, press MUTE again. This feature works only when the Closed Caption mode is set to OFF. See "Using the closed caption feature" on page 40 for more information.




## Selecting stereo/SAP broadcasts

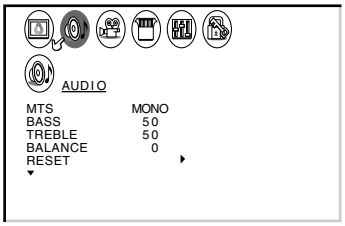
The multi-channel TV sound (MTS) feature allows you to listen to high-fidelity stereo sound while you watch TV. MTS can also transmit a second audio program (SAP) containing a second language, music, or other audio information (when provided by individual stations).

When the TV receives a stereo or SAP broadcast, the word STEREO or SAP appears on-screen every time the TV is turned on, the channel is changed, or RECALL is pressed.

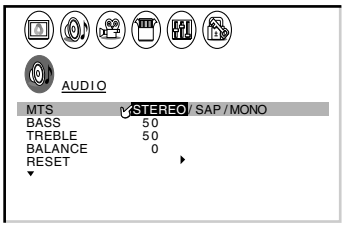
The MTS feature is not available when the TV is in VIDEO mode.

To listen to stereo sound:

1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.




2. Press ▲ or ▼ to highlight MTS.
3. Press ◀ or ▶ to highlight STEREO.




You can leave your TV in STEREO mode because it automatically outputs the type of sound being broadcast (stereo or monaural). If the stereo sound is noisy, select MONO to reduce the noise. The word STEREO or SAP displays in yellow in the menu when the TV receives the signal.

To listen to SAP (if available):

1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight MTS.
3. Press ◀ or ▶ to highlight SAP. You will hear the station's second audio program (if available) from the speakers while viewing the original program's picture (see note at right).

***Note:***

*A second audio program (SAP) can be heard only on those TV stations that offer it.*

*For example, a TV station might broadcast music as a second audio program. If you have SAP on, you will see the current program on the screen but hear music instead of the program's normal audio.*

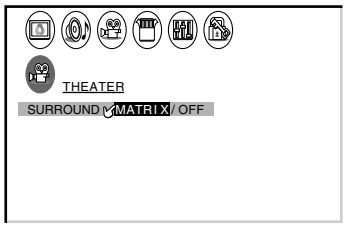
*However, if you have SAP on and the station you are watching is not broadcasting a second audio program, you will see the picture but not hear any sound. If this happens, put the TV in STEREO mode to hear the station's normal audio.*

## Using the surround sound feature

The surround sound feature expands the audio listening field wider and deeper to create exceptional sound quality from the TV's speakers. The feature uses stereo signals from a TV broadcast or video input.

To turn on the surround sound feature:

1. Select the STEREO mode (see "Selecting stereo/SAP broadcasts" on page 42).
2. Press MENU, and then press ◀ or ▶ until the THEATER menu appears.
3. Press ▲ or ▼ to highlight SURROUND.
4. Press ◀ or ▶ to highlight MATRIX.



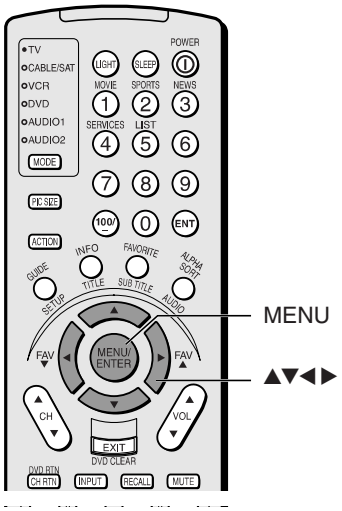

To turn off the surround sound feature:

Highlight OFF in step 4 above.

In general, you can leave your TV in MATRIX mode because it will automatically output the type of sound being broadcast (surround stereo or monaural).

***Note:***

*When the MATRIX surround mode is selected, the StableSound® feature is automatically turned off (see "Using the StableSound® feature" on page 46).*

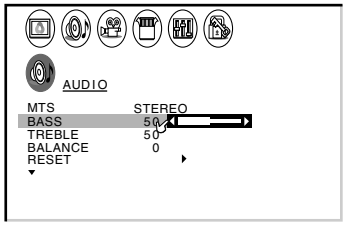



## Adjusting the sound quality

You can change the quality of your TV's sound by adjusting the bass, treble, and balance.

To adjust the sound quality:

1. Press MENU, then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight the item you want to adjust.




3. Press ◀ or ▶ to adjust the level.

- ◀ makes the sound quality weaker or decreases the balance in the right channel, depending on the item selected.
- ▶ makes the sound quality stronger or decreases the balance in the left channel, depending on the item selected.

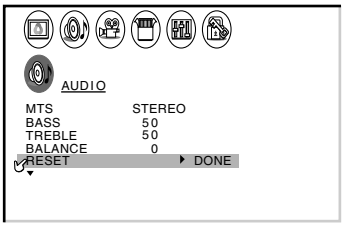
## Resetting your audio adjustments

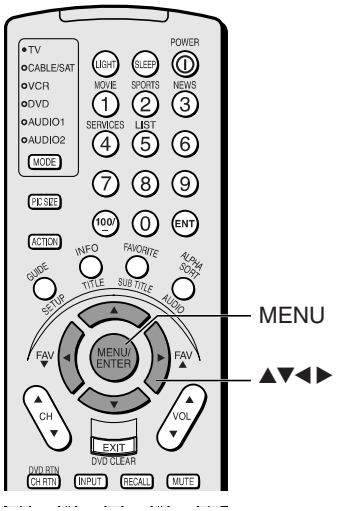
The RESET function returns your audio adjustments to the following factory settings:

Bass ..... center (50)
Treble ..... center (50)
Balance ..... center (0)

To reset your audio adjustments:

1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight RESET.
3. Press ◀ or ▶. The menu displays "DONE."



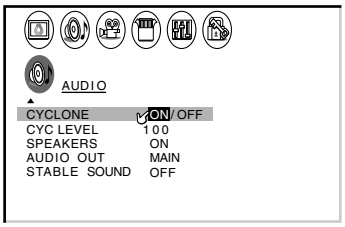




## Using the CYCLONE® sub-woofer system

Toshiba's CYCLONE® ABX (Acoustic Bass eXpansion) system provides dynamic accoustic reproduction in a self-enclosed bass-reflex sub-woofer system.

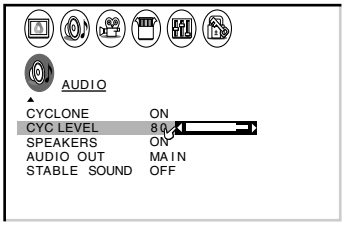
To turn on the CYCLONE sub-woofer:

1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight CYCLONE.
3. Press ◀ or ▶ to highlight ON.




To adjust the CYCLONE level:

4. Press ▲ or ▼ to highlight CYC LEVEL.
5. Press ◀ or ▶ to adjust the CYCLONE level (volume).
   Press ▶ to increase the sub-woofer volume.
   Press ◀ to decrease the sub-woofer volume.




To turn off the CYCLONE sub-woofer:

Highlight OFF in step 3 above.

***Note:***

*The CYCLONE sub-woofer signal does not pass through the VARIABLE AUDIO OUT jacks (see "Connecting an audio system" on page 11); however, the AUDIO menu will appear when the buttons are pressed.*

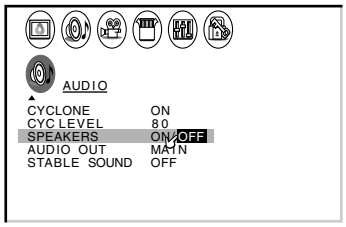
*If the CYCLONE level is adjusted when the CYCLONE system is off, the CYCLONE system is automatically turned on.*

## Turning off the built-in speakers

Use this feature to turn the TV speakers off when you connect an audio system. (See "Connecting an audio system" on page 11.)

To turn off the built-in speakers:

1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight SPEAKERS.
3. Press ◀ or ▶ to highlight OFF.

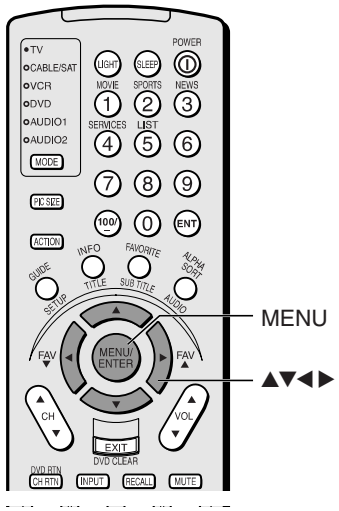



To turn on the built-in speakers:

Highlight ON in step 3 above.

***Note:***

*Make sure the volume control of your audio amplifier is set to a moderate listening level.*



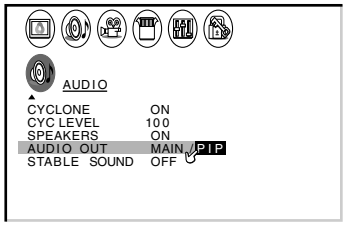

## Selecting the Audio OUT sound

This feature allows you to select the sound source (MAIN or PIP) that is output from the Audio OUT jacks (see "Connecting two VCRs" on page 10).

This is useful when amplifying or recording the PIP sound with the external equipment while hearing the sound of main picture through the built-in speakers.

To select the Audio OUT sound:

1. Press MENU, then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight AUDIO OUT.
3. Press ◀ or ▶ to highlight MAIN or PIP.




- MAIN: Main picture sound.
- PIP : Selected PIP sound.

***Note:***

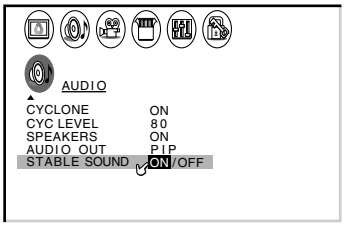
*If the PIP mode is selected and the PIP window is not on the screen, the Audio OUT jacks will not output a signal.*

### Using the StableSound® feature

The StableSound® feature limits the maximum volume level to prevent extreme changes in volume when the TV's signal source is changed.

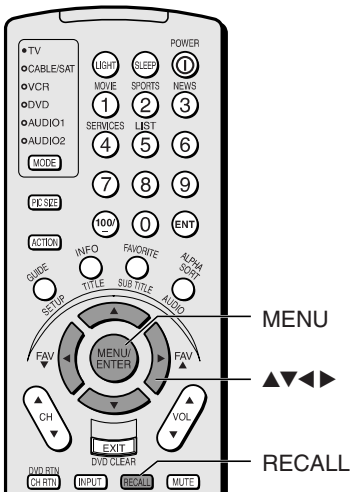
To turn on the StableSound feature:

1. Press MENU, and then press ◀ or ▶ until the AUDIO menu appears.
2. Press ▲ or ▼ to highlight STABLE SOUND.
3. Press ◀ or ▶ to highlight ON.




To turn off the StableSound feature:

Highlight OFF in step 3 above.




***Note:***

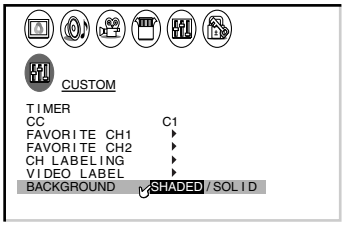
*When the StableSound® feature is turned on, the surround sound feature (page 43) is automatically turned off.*

## Selecting the menu display background

You can change the background of the menu display by selecting either shaded or solid (gray).

To select the background:

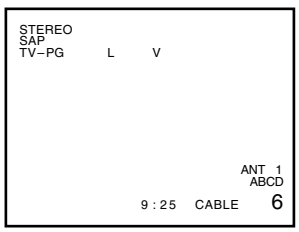
1. Press MENU, and then press ◀ or ▶ until the CUSTOM menu appears.
2. Press ▲ or ▼ to highlight BACKGROUND.
3. Press ◀ or ▶ to highlight either SHADED or SOLID.




## Displaying on-screen information

Press RECALL to display the following information on-screen:

- Antenna mode (when in TV mode)
- Channel number or VIDEO mode selected
- Time (if set)
- Channel label (if set)
- Stereo or SAP (second audio program) audio status
- V-CHIP rating status



## Viewing the demonstration mode

When you press DEMO on the TV, the TV will automatically display a variety of its on-screen menus and special features. This function is provided for demonstration purposes only.

To stop the demonstration mode:

Press DEMO again.

## Understanding the auto power off feature

The TV will automatically turn itself off after approximately 15 minutes if it is tuned to a vacant channel or a station that completes its broadcast for the day. This feature does not work in VIDEO mode.

## Understanding the last mode memory feature

If the power is cut off while you are viewing the TV, the last mode memory feature turns the TV on automatically when the power is resupplied.

If the power is going to be off for a long time or you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.

# Appendix

## Specifications

| | |
|---|---|
| Television System | NTSC standard |
| Channel Coverage | VHF: 2 through 13<br>UHF: 14 through 69<br>Cable TV: Mid band (A-8 through A-1, A through I)<br>Super band (J through W)<br>Hyper band (AA through ZZ, AAA, BBB)<br>Ultra band (65 through 94, 100 through 125) |
| Power Source | 120 V AC, 60 Hz |
| Power Consumption | 32AFX62: 142 W; 36AFX62: 136 W |
| Audio Power | Main : 10 W + 10 W<br>Sub-woofer : 13 W |
| Speaker Type | Main : Two 2-3/8 × 4-3/4 inches (60 × 120 mm)<br>Sub-woofer : One 4 inches (100 mm) round |
| Video/Audio Terminals | S-VIDEO INPUT<br>Y: 1 V(p-p), 75 ohm, negative sync.<br>C: 0.286 V(p-p) (burst signal), 75 ohm<br>VIDEO/AUDIO INPUT<br>VIDEO: 1 V(p-p), 75 ohm, negative sync.<br>AUDIO: 150 mV(rms) (30% modulation equivalent, 47 kohm)<br>ColorStream™ (component video) INPUT<br>Y: 1V(p-p), 75 ohm<br>$C_B$: 0.7 V(p-p), 75 ohm<br>$C_R$: 0.7 V(p-p), 75 ohm<br>AUDIO: 150 mV(rms), 47 kohm<br>VIDEO/AUDIO OUTPUT<br>VIDEO: 1 V(p-p), 75 ohm, negative sync.<br>AUDIO: 150 mV(rms) (30% modulation equivalent, 4.7 kohm)<br>VARIABLE AUDIO OUTPUT<br>0–300 mV(rms) (30% modulation equivalent, 4.7 kohm)<br>AUDIO CENTER CHANNEL INPUT<br>300 mV(rms) (30% modulation equivalent, 10 kohm) |
| Dimensions | 32AFX62 Width : 34-1/2 inches (875 mm)<br>Height : 26-1/2 inches (673 mm)<br>Depth : 22-5/8 inches (575 mm)<br>36AFX62 Width : 38-3/16 inches (970 mm)<br>Height : 29-9/16 inches (750.9 mm)<br>Depth : 24-1/4 inches (615 mm) |
| Mass | 32AFX62: 156 lbs. (70.8 kg)<br>36AFX62: 206 lbs. (93.4 kg) |
| Supplied Accessories | Remote Control with 2 size “AA” alkaline batteries |
| Optional TV stand | 32AFX62: ST3262<br>36AFX62: ST3662 |

Design and specifications are subject to change without notice.

## Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the problem and some solutions.

| Problem | Solution |
|---|---|
| TV will not turn on | • Make sure the power cord is plugged in, then press POWER.<br>• The remote control batteries may be dead. Replace the batteries. |
| No picture, no sound | • Check the antenna/cable connections. |
| No sound, picture OK | • The sound may be muted. Press VOLUME.<br>• The station may have broadcast difficulties. Try another channel.<br>• Check that the SPEAKERS function in the AUDIO menu is set correctly. |
| Poor sound, picture OK | • The station may have broadcast difficulties. Try another channel. |
| Poor picture, sound OK | • Check the antenna connections.<br>• The station may have broadcast difficulties. Try another channel.<br>• Adjust the PICTURE menu. |
| Poor reception of broadcast channels | • The station may have broadcast difficulties. Try another channel.<br>• Check the antenna connections.<br>• If you are using a VCR, make sure the TV/VCR button is set correctly. |
| Cannot receive above channel 13 | • Make sure the TV/CABLE switch is set to the mode that corresponds with the signal source (antenna or cable). |
| Black box appears on the screen | • The closed caption feature may be set to one of the Text modes (T1, T2, T3, or T4). Turn closed captioning off. |
| Unable to select a certain channel | • The channel may be locked out with the CH LOCK feature, or erased with the ADD/ERASE feature. |
| Multiple images | • The station may have broadcast difficulties. Try another channel.<br>• Antenna reception may be poor. Use a highly directional outdoor antenna. |
| Poor color or no color | • The station may have broadcast difficulties. Try another channel.<br>• Adjust the TINT and/or COLOR in the PICTURE menu.<br>• If you change the direction of the TV while the TV is activated, the picture may suffer from color shading. If so, turn off the TV and allow it to cool for about 30 minutes, then turn on the TV again. The picture should improve. |
| No stereo or SAP sound from a known MTS broadcast | • Make sure the MTS feature is set properly. |
| The remote control does not operate | • Make sure the appropriate device mode is selected.<br>• There may be an obstruction between the remote control and the remote control sensor. Remove the obstruction.<br>• The remote control batteries may be dead. Replace the batteries. |
| Cannot access signal input sources (Video1, Video2, Video3, or ColorStream) or Channels 3 and 4 | • Check the Video Lock feature. |

# Limited United States Warranty

## for 27" FST PURE® and All Larger Television Models

Toshiba America Consumer Products, Inc. ("TACP") and Toshiba Hawaii, Inc. ("THI") make the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS TELEVISION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

PRODUCTS PURCHASED IN THE U.S.A. AND USED IN CANADA ARE NOT COVERED BY THESE WARRANTIES.

PRODUCTS PURCHASED IN CANADA AND USED IN THE U.S.A. ARE NOT COVERED BY THESE WARRANTIES.

**Limited One (1) Year Warranty on Parts and Labor***

TACP/THI warrant this television and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TACP/THI WILL, AT TACP/THI'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. TACP/THI Authorized Service Station personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the TACP/THI Authorized Service Station for repair and returned to your home at no cost to you.

**Limited Two (2) Year Warranty on Picture Tube***

TACP/THI further warrant the picture tube in this television against defects in materials or workmanship for a period of two (2) years after the date of original retail purchase. DURING THIS PERIOD, TACP/THI WILL, AT TACP/THI'S OPTION, REPAIR OR REPLACE A DEFECTIVE PICTURE TUBE WITH A NEW OR REFURBISHED PICTURE TUBE WITHOUT CHARGE TO YOU, EXCEPT THAT, IF A DEFECTIVE PICTURE TUBE IS REPAIRED OR REPLACED AFTER ONE (1) YEAR FROM THE DATE OF THE ORIGINAL RETAIL PURCHASE, YOU PAY LABOR CHARGES INVOLVED IN THE REPAIR OR REPLACEMENT.

**Rental Units**

The warranty for rental units begins with the date of first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

***Commercial Units**

Televisions sold and used for commercial purposes have a limited ninety (90) day warranty for all parts, labor, and picture tubes.

**Owner's Manual and Product Registration Card**

Read this owner's manual thoroughly before operating this television. Complete and mail the enclosed product registration card within ten days after you, or the person who has given you this product as a gift, purchased this television. Returning the product registration card will enable TACP/THI to provide you with better customer service and improved product support. Failure to return the product registration card will not affect your rights under this warranty.

**Your Responsibility**

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must provide your bill of sale or other proof of purchase.

(2) All warranty servicing of this television must be made by an Authorized TACP/THI Service Station.

(3) The warranties from TACP and THI are effective only if the television is purchased and operated in the U.S.A. or Puerto Rico.

(4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.

(5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any television or parts that have been lost or discarded by you or to damage to television or parts caused by misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TACP/THI; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

**How to Obtain Warranty Services**

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

(1) To find the nearest TACP/THI Authorized Service Station:

For televisions purchased in the United States, except Hawaii, visit TACP's web site at **www.toshiba.com/tacp**, or call toll free 1-800-631-3811.

For televisions purchased in Hawaii, contact Toshiba Hawaii, Inc., 327 Kamakee Street, Honolulu, HI 96814, (808) 591-9281.

(2) Present your bill of sale or other proof of purchase to the Authorized Service Station. Authorized TACP/THI Service Station personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the Authorized Service Station for repair and returned to your home at no cost to you.

**For additional information, visit TACP's web site: www.toshiba.com/tacp.**

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REV. MAR02

# Limited Canada Warranty

## for 27" FST PURE® and All Larger Television Models

Toshiba of Canada Limited ("TCL") makes the following limited warranties to original consumers in Canada.

THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS TELEVISION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

PRODUCTS PURCHASED IN THE U.S.A. AND USED IN CANADA ARE NOT COVERED BY THESE WARRANTIES.

PRODUCTS PURCHASED IN CANADA AND USED IN THE U.S.A. ARE NOT COVERED BY THESE WARRANTIES.

**Limited One (1) Year Warranty on Parts and Labor***

TCL warrants this television and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. TCL Authorized Service Depot personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the TCL Authorized Service Depot for repair and returned to your home at no cost to you. IN-HOME SERVICE ONLY APPLIES WITHIN 100 KILOMETERS OF AN AUTHORIZED TCL SERVICE DEPOT.

**Limited Two (2) Year Warranty on Picture Tube***

TCL further warrants the picture tube in this television against defects in materials or workmanship for a period of two (2) years after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PICTURE TUBE WITH A NEW OR REFURBISHED PICTURE TUBE WITHOUT CHARGE TO YOU, EXCEPT THAT, IF A DEFECTIVE PICTURE TUBE IS REPAIRED OR REPLACED AFTER ONE (1) YEAR FROM THE DATE OF THE ORIGINAL RETAIL PURCHASE, YOU PAY LABOR CHARGES INVOLVED IN THE REPAIR OR REPLACEMENT.

**Rental Units**

The warranty for rental units begins with the date of first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

***Commercial Units**

Televisions sold and used for commercial purposes have a limited ninety (90) day warranty for all parts, labor, and picture tubes.

**Owner's Manual**

Read this owner's manual thoroughly before operating this television.

**Your Responsibility**

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must provide your bill of sale or other proof of purchase.

(2) All warranty servicing of this television must be made by an Authorized TCL Service Depot.

(3) The warranties from TCL are effective only if the television is purchased in Canada from an authorized TCL dealer and operated in Canada.

(4) Labor service charges for set installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.

(5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any television or parts that have been lost or discarded by you or to damage to television or parts caused by misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TCL; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

**How to Obtain Warranty Services**

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

(1) To find the nearest TCL Authorized Service Depot, visit TCL's web site: **www.toshiba.ca**.

(2) Present your bill of sale or other proof of purchase to the Authorized Service Depot. Authorized TCL Service Depot personnel will come to your home when warranty service is required. Depending on the type of repair required, either the service will be performed in your home or the set will be taken to the Authorized Service Depot for repair and returned to your home at no cost to you. IN-HOME SERVICE ONLY APPLIES WITHIN 100 KILOMETERS OF AN AUTHORIZED TCL SERVICE DEPOT.

**For additional information, visit TCL's web site: www.toshiba.ca**

ALL WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY LIMITED TO THE DURATION OF THE LIMITED WARRANTIES SET FORTH ABOVE. WITH THE EXCEPTION OF ANY WARRANTIES IMPLIED BY THE LAW OF ANY PROVINCE OF CANADA AS HEREBY LIMITED, THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, AGREEMENTS, AND SIMILAR OBLIGATIONS OF TCL WITH RESPECT TO THE REPAIR OR REPLACEMENT OF ANY PARTS. IN NO EVENT SHALL TCL BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES.

No person, agent, distributor, dealer, or company is authorized to change, modify, or extend the terms of these warranties in any manner whatsoever. The time within which action must be commenced to enforce any obligation of TCL arising under this warranty or under any law of Canada or of any province thereof, is hereby limited to 90 days from the date you discover, or should have discovered, the defect. This limitation does not apply to implied warranties arising under the law of any province of Canada.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH MAY VARY FROM PROVINCE TO PROVINCE IN CANADA. SOME PROVINCES OF CANADA DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, LIMITATIONS ON THE TIME WITHIN WHICH AN ACTION MAY BE BROUGHT, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES; THEREFORE, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU UNDER SUCH CIRCUMSTANCES.

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REV. MAR02

# Index


## A

A/V receiver connection ..... 12
ANT 1/2 ..... 22
Antenna cables ..... 7
Audio cables ..... 7
AUDIO OUT sound, selecting ..... 45
Audio system connection ..... 11
Auto power off ..... 47

## B

BACKGROUND selection ..... 46

## C

Cable box connection ..... 8
Camcorder connection ..... 11
CH LABEL ..... 26
CH LOCK ..... 34
CH RTN button ..... 25
Channel Number buttons ..... 24
Channel programming
- ADD/ERASE ..... 24
- Automatic programming ..... 23
- TV/CABLE selection ..... 23

Channel ▲▼ buttons ..... 24
Clock, setting ..... 41
Closed caption ..... 40
ColorStream® ..... 9
Component video cables ..... 7
CYCLONE® sub-woofer ..... 44

## D

DEMO button ..... 47
DVD connection ..... 9

## F I

(FAV) ◀▶ buttons ..... 25
FAVORITE button ..... 30
FAVORITE CH ..... 25
Flesh tone ..... 37
Front of the TV ..... 6
INFO button ..... 30
INPUT button ..... 39

## L M

Language selection ..... 22
Last mode memory ..... 47
Locks menu ..... 31
Menu system ..... 21
MTS feature ..... 42
MULTI button ..... 30
Multi-Window feature
- FAVORITE function ..... 30
- INFO (channel preview) function ..... 30
- MULTI (strobe) function ..... 30

MUTE button ..... 42

## P

Picture adjustments
- COLOR TEMPERATURE ..... 38
- FLESH TONE ..... 37

Picture adjustments (continued)
- NOISE REDUCTION ..... 37
- Picture mode ..... 36
- Picture quality ..... 36

Picture in Picture (PIP)
- LOCATE button ..... 29
- PIP button ..... 28
- PIP CH ▲▼ buttons ..... 28
- SOURCE button ..... 28
- STILL button ..... 29
- SWAP button ..... 29

## R

RECALL button ..... 46
Remote control
- Battery installation ..... 13
- Device code table ..... 18
- Functional key chart ..... 14
- Learning about the buttons ..... 20
- Operational feature Reset ..... 17
- Programming ..... 16
- Searching and sampling the code ..... 16
- Volume Lock feature ..... 17

RESET ..... 38, 44

## S

SAP sound ..... 42
Satellite receiver connection ..... 9
SLEEP timer ..... 41
Sound quality adjustments ..... 43
SPEAKERS on/off ..... 45
Specifications ..... 48
STABLE SOUND® ..... 46
Stereo sound ..... 42
Sub-woofer, CYCLONE® ..... 44
Surround sound ..... 43
S-video cables ..... 7

## T

TILT CORRECTION ..... 24
Troubleshooting ..... 49
TV/VIDEO button ..... 22

## V

V-CHIP
- BLOCKING OPTION ..... 33
- ENABLE BLOCKING ..... 32
- MPAA RATING ..... 33
- NEW PIN CODE ..... 35
- PIN code, entering ..... 31
- TV RATING ..... 32
- Unlocking programs ..... 34

VCR connection ..... 7–10
Video cables ..... 7
VIDEO LABEL ..... 39
VIDEO LOCK ..... 35

## W

Warranty ..... 50, 51

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